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ABSTRACT

The Occupational Training Information System (OTIS) report enumerates current data on manpower supply and demand conditions (from July 1, 1974 to June 30, 1975) in selected occupations and training programs in Oklahoma. Data sources, which included Federal and State agencies, and the procedures used to collect and analyze the data are presented in the introductory chapter. Chapter 2 (42 pages) provides manpower supply and demand tables presenting statewide totals arranged according to: clusters of occupations, demand, vo-tech supply (secondary, postsecondary, and adult), other sources (Federal, private schools, and descriptive registration), and clusters of programs. Chapter 3 (39 pages) presents additional tables providing a descending rank order of program clusters by demand minus vocational-technical supply. The program cluster with greatest net manpower demand is ranked one and is followed in order by the program clusters with lesser demand. The rank ordering provides a simple analysis of the tables and is useful to guickly identify program clusters by vocational and technical divisions in which training is needed on a statewide and/or regional basis. Appended are a sample student status form, OTIS procedural flow chart, and an index of statewide totals and descending order of program clusters. (Author/BP)

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OCCUPATIONAL TRAINING INFORMATION SYSTEM

Supplement I

Statewide Totals and Descending Rank Order of Program Clusters

U.S. DEPARTMENT OF HEALTH, EDUCATION & WELFARE NATIONAL INSTITUTE OF EDUCATION

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J. B. Morton Paula Keller William W. Stevenson

Oklahoma State Department of Vocational and Technical Education Division of Research, Planning, and Evaluation Information Services Unit Stillwater, Oklahoma January, 1975

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ATTENTION

In lieu of the present economic condition, it is important that the reader understands that the data presented is the best information available on the manpower supply and demand estimated to exist during the time July 1, 1974, to June 30, 1975. The figures in the manpower supply and demand tables should be viewed dynamically and not regarded as absolute values. This is especially true with certain industries where changes in the plans of a single firm could significantly influence the manpower demand in a given occupation. Any information of manpower needs is subject to error due to shifts in the economy, unexpected new industry starts, and other intervening variables.



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FOREWARD

The Occupational Training Information System (OTIS) was designed to provide current information on the supply and demand for people trained in selected vocational and technical occupations. Since its inception in 1968, those responsible for operating the system have constantly sought to improve and make the information more usable. OTIS is an excellent example of the application of theory to the solution of critical problems in vocational and technical education.

OTIS is a valuable tool to the administrator faced with the decision of program selection. The growing emphasis on accountability in the entire field of education creates the necessity on the part of those responsible for program offerings to allocate the scarce training dollar to those areas where the greatest need exists.

We are pleased that a number of state agencies, school districts, teachers, and guidance counselors utilize the OTIS publication to plan training programs and to help direct students toward occupational goals. It is our hope that the OTIS Cycle Seven Report will prove to be helpful to both the educator and the student.

Stillwater, Oklahoma January, 1975

Francis Tuttle, State Director of Vocational and Technical Education



ACKNOWLEDGMENTS

This report is the result of the efforts of a great number of people in a number of agencies. The agencies that have contributed to the growth and continued development of the Occupational Training Information System (OTIS) are:

Board of Nurse Registration and Nurse Education
Governor's Comprehensive Manpower Planning Staff
Manpower Administration, U.S. Department of Labor
Manpower Development & Training Division
Oklahoma Employment Security Commission
Oklahoma Industrial Development Department
Oklahoma State Department of Vocational and Technical Education
Oklahoma State Office of Community Affairs and Planning
Oklahoma State University: Research Foundation, Manpower Research and
Training Center, and School of Occupational and Adult Education
Ozarks Regional Commission

Among those whose contributions helped to make the report possible are Dr. Francis Tuttle of the Oklahoma State Department of Vocational and Technical Education who provides continuing support and leadership, Mr. Will Bowman, Mr. Bill Hunter, Dennis Martin, and the staff of the Planning and Research Division of the Oklahoma Employment Security Commission who made notable contributions with their provision of the updated demand information and registrants supply data for the report.

Appreciation is expressed to the vocational education teachers, to all of the state supervisors of the Oklahoma State Department of Vocational and Technical Education, to Dr. Charles Hopkins, Dr. William Frazier, Mrs. Vickie Kurrasch, Mrs. Nancella Dobbins, Mrs. Karen Thomas and her staff for their help in the collection and processing of the data provided by the State Department, and to Mr. Bob Patton and his staff for their assistance in printing. We are indebted to Dr. Gene Smith, Mrs. Edwina Lyle and Mr. Ron Kraft with the Systems Design and Computer Services for their assistance with the data in the Student Accounting System.

We are indebted to Mr. Bob Keck with the State Regents for Higher Education for his excellent cooperation and for providing the student data from certain institutions. Credit should be given to Miss Frances Waddle and her staff of the Board of Nurse Registration and Nurse Education for their cooperation in obtaining the number of registered nurses and licensed practical nurses. Credit should also be given to Ken Hager



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Appreciation is expressed to Mr. E.R. Jeffers, Executive Secretary of the Oklahoma Private School Board, for the benefit of his experience and advice and for giving us the privilege of using their files on the Oklahoma private schools to gather required information on graduates in that sector.

We are indebted to the OTIS Advisory Committee for their guidance and direction in the future improvement of this system. The committee is listed below.

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CHAPTER I

INTRODUCTION

History of OTIS

It became apparent in Oklahoma that if existing manpower *raining and related agencies were to make their maximum contribution to the development of human resources, intensive efforts would have to be made in the direction of statewide manpower planning. The recognition of a need for statewide manpower planning is manifested in federal and state legislation, legislative acts, and in the establishment of coordinating committees and commissions in Oklahoma and in the nation. However, the need remained for the development and demonstration of an effective information system and related procedure for implementing statewide manpower planning.

In Oklahoma, two studies which explored the need for statewide manpower planning were completed in 1967. One was by Ling-Temco-Vought System Management Service and the other by Oklahoma State University. These studies were oriented toward identifying the actions and sequential steps necessary for the establishment of a flexible occupational training system that could provide skilled manpower to satisfy the state's present and future demand. In the spring of 1968, representatives from the Research Department of the Industrial Development and Park Department, the State Department of Vocational and Technical Education, and the Oklahoma Employment Security Commission met to discuss the needs for a statewide research and demonstration project. This project would bring maximum resources to bear on implementing the strategy for economic development which had as its major premise the development of a skilled labor force. Subsequently, the Manpower Research and Training Center at Oklahoma State University was approached to react in detail to the feasibility of such a project. In July of 1968, a proposal was submitted to the concerned agencies whereupon the State Department of Vocational and



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Technical Education and the Industrial Development and Park Department agreed to a preliminary funding of the project. Cooperation was provided by the Oklahoma Employment Security Commission and the Association of Private Schools.

Organizations which supported and/or cooperated in the development of the system included the Oklahoma State Department of Vocational and Technical Education, the Manpower Administration of the U. S. Department of Labor, the Oklahoma Industrial Development and Park Department, the Ozarks Regional Commission, the Research Foundation for Oklahoma State University, the Oklahoma Employment Security Commission, the State Accrediting Agency, the Manpower Research and Training Center at Oklahoma State University, the School of Occupational and Adult Education at Oklahoma State University, and the Oklahoma Research Coordinating Unit.

At an OTIS Advisory Committee meeting in January, 1970, the members representing these organizations transferred operational responsibilities to the newly formed Division of Research, Planning, and Evaluation of the Oklahoma State Department of Vocational and Technical Education.

Purpose

The purpose of this report is to enumerate current data on manpower supply and demand on selected occupations and training programs in Oklahoma.

Limitations

The data presented here represents the best information available on the manpower supply and demand conditions estimated to exist during the time July 1, 1974, until June 30, 1975. However, the figures in the manpower supply and demand tables should be viewed dynamically and not regarded as absolute values. This is especially true with certain industries where changes in the plans of a single firm could significantly influence the manpower demand in a given occupation. Any information of manpower needs is subject to error due to shifts in the economy, unexpected new industry starts, and other intervening variables.



Procedures

The procedures used to collect and analyze the data in this report are presented in two major sub-sections; these are manpower supply and manpower demand.

Sub-Section One - Manpower Supply

There are seven primary sources of manpower supply data used in this report; i.e., the Oklahoma State Department of Vocational and Technical Education, the Governor's Comprehensive Manpower Planning Staff, the State Accrediting Agency, the Oklahoma Employment Security Commission, the Oklahoma Board of Nurse Registration and Nurse Education, the Oklahoma Council for Health Careers and the State Regents for Higher Education.

The Student Accounting System operated by the Oklahoma State Department of Vocational and Technical Education provides information on three categories of manpower supply; i.e., high school vocational program graduates, post high school vocational program graduates, and adult vocational program graduates. The files for the Manpower Development Training Act (MDTA) and Comprehensive Employment and Training Act (CETA) graduates are maintained in the State Department office and are used as the source for "Federal" supply data.

The data entered into the tables in Chapter II for secondary and post secondary vocational and technical students are calculated in the following manner:

- The first phase of the problem was to find the percentage of the 1973-74 students who have dropped out or completed each of the vocational programs and to find out how many are available for job placement. This was done by searching the Student Accounting System for:
 - a. Those who dropped out of school and are employed full time in the field for which they were trained (Student Status Report, Code J)*
 - b. The number of students who are unknown (Student Status, Code O)*
 - c. Those who are not available for placement (Student Status Report, Codes E, F, H)*
 - d. Those who are available for placement (Student Status Report, Codes A, B, C, D, I)*

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- e. The total number with completion response (Student Status Report, Codes A through L and O)*
- f. The total number enrolled in the program for each occupational objective

The percentage of students who dropped out of school and are employed full time in the field for which they are trained or completed the program and were available for the labor market was calculated by:

$$PC = \frac{a+d}{a+d+b+C} \times \frac{f}{e}$$

If there was insufficient information *o calculate the percentage, the percentage was based upon, "A Follow-Up Study of Graduates, 1974," Oklahoma Department of Vocational and Technical Education.

The second phase was to calculate the numbers of students available for the labor market by accumulating the number of students who completed the program (Student Status Report, Codes A through F, H, I)* from the 1973-74 Student Accounting System and multiplying it by the percentage worked out above for each occupational objective.

Secondary programs, other than vocational technical programs, funded by the State Department of Vocational Technical Education, provide input into the labor market. A survey of the Oklahoma City and Tulsa school systems was used as a sample for industrial arts programs. Nine statewide samples of schools were used in obtaining information on business and office training programs. Supply input has been calculated from the results of these surveys and is included in this publication.

The figures entered into the tables in Chapter II for adults are calculated by searching the Student Accounting System and other available records for:

- g. The number of adult preparatory students,
- The number of adult supplementary students in adult classes for each occupational objective

The formula used to calculate percentage available for the labor market was:

$$PC = g/g + h$$
 x .89 x (Student Status codes ABCDI) (Student Status codes A through F, H, I)



The factor .89 was used to eliminate duplicated enrollment. The adult enrollment for 1973-74 was used to calculate the figures in the table in Chapter II.

One hundred percent of the graduates in the Federal programs is listed as available to the labor market.

Data on private school graduates were obtained from the license application required annually by House Bill 1403 and from telephone conversations with selected private schools' administrators. This licensing procedure is supervised by the State Accrediting Agency.

The Oklahoma Employment Security Commission provides the number of qualified registrants who are available to fill jobs listed in the OTIS Report.

The Oklahoma Board of Nurse Registration and Nurse Education and the Oklahoma State Department of Vocational and Technical Education provide data on the number of nurses who are available for the labor market.

Sub-Section Two - Manpower Demand

The primary data on manpower demand utilized in this report has been developed by the Oklahoma Employment Security Commission (OESC) based upon a comprehensive survey conducted during 1971 with an original sample of 2,633 firms. The firm listing included firms covered by the unemployment insurance laws and was augmented by a mixture of the larger non-covered establishments such as government agencies, hospitals, and other non-profit organizations. These firms were listed by industrial divisions in descending order by employment size. All of the establishments comprising the upper 50 percent of the industry's employment total were included in the survey. Of the remaining firms in the industry, 20 percent and 5 percent samples were selected from the third and fourth quartiles respectively. During June of 1971 questionnaires, job descriptions, and instructions were mailed to the surveyed firms. For the next two months, personal visits were made to the state's largest employers to solicit their cooperation. The OESC was able to survey 83.8 percent of the employment in the areas surveyed.

For the OTIS Cycle Seven Report, the data base was updated by the Research and Planning Division of OESC. Basically, the update consisted of reviewing the larger firms' employment changes. These were analyzed to see if they were following the previously



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projected trend. Those establishments that varied from their forecast were contacted by OESC personnel to confirm the change and secure new projections. Furthermore, all newly established large firms were visited by OESC personnel to get employment information. This data was then incorporated into the data base and used to update the demand information.

The 1973 survey of health occupations which was conducted by the Oklahoma Employment Security Commission in conjunction with the Oklahoma State Department of Vocational and Technical Education was used to supplement the demand information. This survey sampled employers in the health occupations, such as hospitals, nursing homes, government agencies, and private practice. The Oklahoma Employment Security Commission combined all of the data from the agencies above and edited it in terms of known economic conditions to produce the figures interfaced in the manpower demand column of the tables.

Other manpower demand information has been developed by Jesse B. Mitchell, "Employment Opportunities and Educational Needs in Off-Farm Agri-Business Occupations in Oklahoma," State Department of Vocational and Technical Education, September, 1971, and by the Oklahoma State University Agricultural Economics Department's Farm Manpower projections.



CHAPTER II

MANPOWER SUPPLY AND DEMAND TABLES

How to Use the Tables .

The Net Additional Manpower Requirements Table utilizes the clustering of related occupations which are matched with programs that train workers for those occupations. A cluster may contain one or more occupations and one or more types of programs. The occupations are identified by Dictionary of Occupational Titles codes and the programs are identified by U.S. Office of Education Codes. The occupations are indexed for statewide totals and Descending Ordering of Program Clusters tables on the last three pages of the report. Some of the clusters are limited by the form of available data; demand data on drafting is not reported by level of drafting skills needed and, therefore, all levels of training are interfaced against the aggregate demand for draftsmen.

The vocational and technical supply is subtracted from the demand to obtain demand minus vo-tech supply. When demand exceeds supply, the demand minus vo-tech supply is positive; where the demand is less than the supply, the demand minus supply is negative. The negative numbers are indicated in the tables by the negative sign (-). Other supply, such as Federal, private schools and OESC registrants will be considered when calculating the net manpower requirements.

Although many factors influence the choice of program offerings in any given situation, one of the major considerations is the demand for the graduates of the program. When planning new programs or selecting a possible future occupation, one should examine the net manpower requirements within the region where the program will be offered, in the adjacent regions, the net manpower requirements in the Standard Metropolitan Statistical Area (SMSA) closest to the region, and the statewide net manpower requirements. In addition, any factor which influences the local labor market such as new industry starts should be considered.



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*Employment Opportunities and Educational Needs in Off-Farm Agri-Business Occupations · Jesse Mitchell

**Oklahoma State University Farm Manpower Projections

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CLUSTER ND. 40	1 1 1 1 1 1 1 1 1 1 1 1							* * *	1
132.068.0 COPY WRITER	9 * * * *	~ ~						***	040100 ADVERTISING
TOTAL	. * * *	~~~~			4.			* * * ;	SERVICES



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OCCUPATIONS	* * * *	SECGRIDARY S	POST SECONDARY	ADULT	VO-TECH SUPPLY	 FEDERAL	 PRIVATE SCHOOLS	# 065C. * 065C. * REGISTR.	PROGRAMS
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CLUSTER NO. 43	• * :							* * :	
260-289.0 SALES OCCUPATIONS	* 1,012			·			·	282 *	
290.478.0 SALES CLERK 292.358.0 SALESMAN-DRIVER	* 2,596 * 2,596			- ·				575 * *	
915.867.0 SERVICE STATION	* 455							* * * 00 13	
	. * *	9,						* * *	0102DO AGRICULTURAL SUPPLIES/SERV=
-	**:	127	•				66	* * 1	ICE 040200 APPAREL AND
	. * *	27 721	- 	88				* * *	040300 AUTOMOTIVE 040600 FDG0
	**:	149						* * 1	DISTRIBUTION 040800 GENERAL
-		1 8 1						***	MERCHANDISE 040900 HDW. BLDG. MAT. FARM SUPPLIES &
	* * *	27 -				-		* * 1	041000 HDME FURNISHING
	***	7						• * *	O41400 INTERNATIONAL
		22						* * *	TRADE 041600 PETROLEUM 041800 RECREATION AND
	***	106	•					* * * * *	TOURISM 042000 RETAIL TRADE 043100 WHOLESALE TRADE 090204 HOME FURNISHING SERVICES
TOTAL	* 4,303 * 4,303	685	12	6 8	3,517		36	1,080	
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	* * *	109						* * #	040700 FDDD SERVICES
Oa	**;	27					. — —	* * *	172900 OTHER FOOD
23		35		,		- 		* * *	CCCUPATIONS 172904 WAITER OR
TOTAL	1,905	308	· 		1,597			* * * 929	77.44
CLUSTER NO. 55				: ——— : : : :				**	0 P 0 2 2 5 6 2 2 1 E 2 3 5 0 2 2 0 0 2 2 0 0 2 2 0 0 0 0 0 0 0 0
242.368.0 HOTEL CLERK								# # # m	041100 HDTEL AND
TOTAL	* * * * * * * * * * * * * * * * * * *				220			* * * * **	LODGING
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MANPOWER DEMAND AND SUPPLY FISCAL 1974-75

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166.168.0 SPECIAL AGENT 169.188.0 UNDERWRITER 241.168.0 CLAIP ADJUSTER 250.258.0 INSURANCE SALESMAN	51 44 44 44 44 48 48 48 4							***** 4664 4664	# COM () C
rotal	3138				318			102 **	
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191.28&.0 REAL ESTATE 3 APPRAISER 4	 m							* * *	041700 REAL ESTATE
10TAL	 6 8				31			***	
CLUSTER ND. 70		*	• — — - • • • • • • •	6 — — - 1 1 1 1 1 1 1 1 1			:	0 # * ·	
162.158.1 PURCHASING AGENT **	72	42	 80 4	171				* * * * 75	049900 DISTRIBUTIVE FOUCATION DIHER
TOTAL	** 72	42	18	17	٠ <u>٠</u>			22	
				1				11111111111	



MANPOWER DEMAND AND SUPPLY FISCAL 1974-75

STATEWIDE TOTALS

# DEMAND ***********************************		SUPPLY	DEMAND	OTH	OTHER SUPPLY	* *	CLUSTERS
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NEE * 298	-	***************************************	*	*	* * * * * *	* * *	***
NG. 80 ** 298 ** 298 ** 298 ** 126 ** 126 ** 126 ** 126 ** 126 ** 13 ** 14 ** 15 ** 16 ** 17 ** 17 ** 18 ** 18 ** 18 ** 19 ** 19 ** 19 ** 19 ** 10 **						127 *	049901 MID MANAGEMENT
ND. 80 ** 126 ** ASSISTANT ** 126 ** 126 ** 126 ** ND. 85 **			196			127 *	
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** 126 ** 126 NO. 85 **	73				20	* * *	070101 DENTAL ASSISTING
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078.368.3 DENTAL HYGIENIST * 25 8	 -					***	070102 DENTAL HY-
TOTAL * 25 8			17			* # * * eo	GIENIST (ASSUC)



MANPOWER DEMAND AND SUPPLY FISCAL 1974-75

CLŲSTERS	* 1	Ö	VO-TECH SUPPLY	·-·	DEMAND		OTHER SUPPLY	> * •	CLUSTERS
90	* DEMAND	****	**		MINUS	*******	*******	***	90
OCCUPATIONS		SECONDARY SECO	POST SECONDARY	ADULT	VO-TECH SUPPLY	 FEDERAL	 PRIVATE SCHOOLS 	OESC. * REGISTR.*	PROGRAMS
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078.381.0 HEDICAL LABORATORY ASSISTANT	107		· !			16		***	
TOTAL	***		67		4			* * * *	070203 MEDICAL LABORA- TORY ASSISTING
	*		;	-	?	:		*	
CLUSTER NO. 95 100.388.0 MEDICAL RECORD	* * * *	\$ 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			 			* * * * 	• • • • • • • • • • • • • • • • • • •
LIBRARIAN	* * *	m		 	•	, . 		* * *	070210 HEDICAL RECORD
107AL	19	m		in	ω			***	
CLUSTER NO. 100								* * ·	
075.378.0 REGISTERED NURSE	1 058 *					·		4 4 4 4 4	
HACCIOIPLIANNIC	• * 1		227			· 		* * 1	07029º NIJRS'NG
			124					* * 1	O70300 NURSING (DIPLD=
	. * *		286 1					* * *	070301 NURSING (ASSECTION OF THE DEGREE)
TOTAL	* 840 1		637		203			* * 97	



MANPOWER DEMAND AND SUPPLY FISCAL 1974-75

CLUSTERS	* * 1	0	VO-TECH SUPPLY		DEMAND	0.1	OTHER SUPPLY	>	H SUPPLY DEMAND OTHER SUPPLY * CLUSTERS
-0F	* DEMAND	***********	****		MINUS		*****	· ************************************	
OCCUPAT IONS	* * * *	SECONDARY		ABULT	VO-TECH SUPPLY	FEDERAL	PRIVATE DESC. SCHOOLSIREGISTR.	DESC. 1	PROGRAMS
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079.378.0 LICENSED PRACTICAL *	* 774						·	110	
и и	* *			537				**1	. 070302 PRACTICAL (VDC)
TOTAL *	717			537	237			110	2017
CLUSTER NO. 11C *	**		— —		— —	1	i — –		***************************************
355.878.0 NURSE AIDE **	* 1,639 * 1,639	195		228				783 #	
n	* *			3				* *	070303 NURSE ASST. (AID/ORDERLY)
* * * * * * * * * * * * * * * * * * *	* 1,639	195		228	1,216		59	783 * *	
CLUSTER NO. 115			; — — ; ; ; ; ; ;	i — —		• — — • • • • • • • • • • • • • • • • •		1 * 1	***************************************
355.873.1 PSYCHJATRIC * AAIDE *	707							* * * 1	
* * TOTAL	70 -				· — — ·			**	070304 PSYCHIATRIC AID
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OCCUPATIONS **	* * * *	SECONDARY	POST SECONDARY	ADULT	VO~TECH SUPPLY	I I FEDERAL	I IPRIVATE ISCHDOLS	OESC.	PRGGRAMS
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079.378.2 SURGICAL ** TECHNICIAN **	84 4		,		_	•		· # # #	
*	* * .		σ	w				ਾ ਸ ੈ ਸੈ	F 070305 SURGICAL TECHNICIAN
TOTAL	87		6	m	75			* * * 23	
CLUSTER NO. 125								# # 	#
079.368.1 DCCUPATIONAL THER-* APIST AIDE		- (·		. .			***	
* * *		·	<u></u>	<u> </u>	 •			# #	THERAPY ASST.
* . *	- 	8	 in	•				* * *	
CLUSTER NO. 130			 	5				# # 	
355.878.2 PHYSICAL THERAPIST * AIDE AIDE *	2, 2,	4	4		_			* * * * ** **	
* * TOTAL		4	4		37			* * # e0 e-1	APY ASST. (AIG)

MANPOWER DEMAND AND SUPPLY FISCAL 1974-75

######################################			OTHER SUPPLY *	CLUSTERS
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CLUSTER NO. 135 TOTAL TOTAL	OST ONDARY ADULT	 FEDERAL	PRIVATE! DESC. * SCHDOLS!REGISTR.*	PROGRAMS
CLUSTER ND. 135 ** 72	一 传行者符号者者者者者者的者者者者者 一	*************************************	***************************************	·
CLUSTER NO. 145 CLUSTER NO. 145 O78.368.0 E.E.G. TECHNICIAN * 72 62 ** 72 62 ** 72 62 ** 72 62 ** 72 62 ** 72 62 ** 72 62 ** 72 62 ** 72 62 ** 72 62 ** 6 6 ** 6 6 ** 6 7 6 ** 6 7 6 ** 6 7 7 ** 71 7 ** 72 62 ** 6 7 6 ** 6 7 6 ** 6 7 7 ** 71 7 ** 71 7 ** 72 62 ** 6 7 7 ** 71 7 ** 72 62 ** 6 7 7 ** 73 7 ** 74 7 ** 75 7				
# 72 62 1 1 1 1 1 1 1 1 1			***	
CLUSTER ND. 140 O79.378.3 ENVIRONMENTAL				070501 RADIDLDGIC TECH. (X-RAY)
	62	10	# 1 66	
079.378.3 ENVIRONMENTAL			* * *	
TDTAL				
TOTAL			**	070721 ENVIRONMENTAL HEALTH TECH
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**			***	070907
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STATEWIDE TOTALS

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CLUSTERS	**:	Ō	VO-TECH SUPPLY	 ·	DEMAND	0	OTHER SUPPLY	**	CLUSTERS
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BCCUPATIONS	***	SECONDARY	POST POST SECONDARY SECONDARY	ADULT	VO-TECH SUPPLY	FEDERAL	PRIVATE!	DESC. *	PROGRAMS
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078.368.1 E.K.G. TECHNICIAN	et)							* * * † ~	3 0
TOTAL	. * * * *				18			* * * * *	NEIDIN
CLUSTER NO. 155			i ——	 	: —— ! ! !	1		**	
079.368.0 INHALATION ** THERAPIST **	****		47				—	****	070903 THAIATION
U.3(47		რ ————	· -	· — — —	****	THERAPY TECH.
CLUSTER NO. 160		· — — -	:	i — — - ; ; ; ; ; ;	; — — ·			**	
079.368.2 HEDICAL DFFICE ** ASSISTANT **	101	89	*					* * * * 0 10	070904 MEDICAL DEFICE
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TOTAL	101	88	rv 		28	· 	06		
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STATEWIDE TOTALS

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OCCUPATIONS	* * *	I POST I SECONDARY I SECONDA	POST SECONDARY	ADULT	VO-TECH SUPPLY	 FEDERAL 	PRIVATE DESC. SCHOOLS REGISTR	DESC. #	PROGRAMS
CLUSTER ND. 165	09 ** * * * * * * * * * * * * * * * * *		* ** ** ** ** **	**************************************	* * * * * * * * * * * * * * * * * * *	存 会 等 等 等 等 等 等 等 等 等 等 等 等 等 等 等 等 等 等	*	* * * *	精香糖香菜类 计操作操作操作 计连接 计分子 计可读 计分子 计分子 计分子 计分子 计分子 计分子 计分子 计分子 计分子 计分子
TOTAL	* * * * *				80 60	,		****	070908 CENTRAL SUPPLY TECHNICIAN
CLUSTER ND. 170 355.878.4 MEDICAL EMERGENCY TECHNICIAN	# # # # # #					t 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		: * * * * * * * * * * * * * * * * * * *	
U31.	. * * * *		0 0		· 			* * * * #	070907 MEDICAL EMER- GENCY TECH.
CLUSTER NO. 175 079.378.5 COMMUNITY HENTAL HEALTH WORKEF	*****		1	?				*****	070915 COMMUNITY
TOTAL	* * * *				 			***	MENTAL HEALTH



MANPOWER DEMAND AND SUPPLY FISCAL 1974-75

STATEWIDE TOTALS

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OCCUPATIONS	* * * *	I I P SECONDARY SEC	POST	ADULT	VO~TECH SUPPLY	FEDERAL	PRIVATE DESC. SCHDOLSIREGISTR	# # * DXG	10
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CLUSTER ND. 180								* *	
249.388.1 MEDICAL RECORD ** CLERK **	- 55 -							***	
r # '							- 	# 079901 MEDICAL	MEDICAL RECORD
TOTAL		— — —			10 10			***	
CLUSTER NO. 185							; — : : :	5 7	# 0 0 k m 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
219.388.1 WARD CLERK *	181	•	. — — -		- -			27 *	
TOTAL **	181			т m	1771			* 079902 WARD GLERK 27 * *	መ ጽ
CLUSTER NO. 190									
* 079.378.4 DIETARY TECHNICIAN * *	73		 ເດ			· 			
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MANPOWER DEMAND AND SUPPLY FISCAL 1974-75

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72.	729.281.0 BIOMEDICAL ELECT. EQUIPMENT TECH.	· * *							***	
		* * *						· 	* * #	079921 BIOMEDICAL ELE- CTRONIC EQUIP. TEC
-	TOTAL	• • •							***	
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	712.381.0 DENTAL LABORATORY :	** 52							* * *	2
133	TOTAL	. 25.				52			· * * * •	TECHNICIAN
כוי	CLUSTER NO. 197	**			; ——	! ! ! ! !		i — —	* *	`# # # # # # # # # # # # # # # # # # #
976	078.381.1 NUCLEAR MEDICINE ** TECHNOLOGIST **	• • • • • • • • • • • • • • • • • • •						-	***	•
	n #	* *		 -:					* * *	070503 NUCLEAR MED
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*		Ö>	VO-TECH SUPPLY	>	DEMAND	5	OTHER SUPPLY	™ `	CLUSTERS
u O	DEMAND	**************************************	***		HINUS	_	***	*****	90
OCCUPATIONS		SECONDARY	PGST SECONDARY SECONDARY	ADULT	VO-TECH SUPPLY	 FEDERAL	 PRIVATE SCHOOLS	 OESC. * REGISTR.*	PROGRAMS
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CLUSTER NO. 198								* *	
074.378.0 PHARMACY ASSISTANT	30							**	
TOTAL	30	<u>-</u>			990			***	•
CLUSTER NO. 200	— — 	. — — ! ! !				 		* * - - - - -	
* 359.878.0 NURSERY SCHOOL * . ATTENDANT *	204							16 * *	
**		68	4					* * :	090201 CARE AND GUID-
03				-				* * 1	ANCE OF CHILDS
TOTAL *	204	6	4	· —	111			76 *	
CLUSTER NO. 205			i — — i i i i i i i	i — — ! ! !		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	i ——	* * *	. 1
781.384.0 CUTTER (HAND DR +	81							50 *	
785.381.0 SEAMSTRESS DR **	121							30	
* 186.782.0 SEWING MACHINE *	1,874	***************************************						* 417 *	`
* * + +		 86		-				* *	090202 CLUTHING HGHT.
• * •								* *	PROD. C SERVICE 090204 HDME FURNISHING
• • •		82						* *	
TOTAL *	2,076	116		•	1,951			* 497	



TATEWIDE TOTALS

操作的操作的非常的存储的现在分词的现在分词的现在分词的现在分词的现在分词的现在分词的现在分词的现在分词	****	***	*****	****	*****	*****	*****	****	
CLUSTERS		·0^	VO-TECH SUPPLY	 ≻	DEMAND	OT.	OTHER SUPPLY	**	CLUSTERS
#O	DEMAND	****	**********		SONIH	*************	****	****	90
OCCUPATIONS **		SECONDARY	POST SECONDARY	ABULT	VO-TECH SUPPLY	FEDERAL	 PRIVATE OESC. SCHOOLS REGISTR	* OESC. * REGISTR.*	PROGRAHS
得行长途中的年代中央的一个,是一个,这个一个,是一个,是一个,是一个,这个一个,这个一个,这个一个,这	****	****	*******	************************************	****	**********	******	******	***
CLUSTER NO. 210	* # ·							* *	
321.138.0 HQUSEKĘEPĘR *	9559	12.			 -			* * *	S JANGITUTITISMI 80
# 1	*			· -				*	HOME MONT. SERV
TOTAL	559	12			547	- 	30	* * *	
1				**************************************		-		***	
CLUSTER ND. 215								* *	
359.878.1 TEACHER AIDE	202							* * *	090201 CARE AND GIIID.
TOTAL	202				202			* * † *0 *0	ANCE OF CHILD.
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*Full Text Provided by ERIC

MANPOWER DEMAND AND SUPPLY FISCAL 1974-75

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90	* DEMAND	*******	***		MINUS	*********	***	****	## FD
OCCUPATIONS	****	SECONDARYIS		ADULT	VO-TECH SUPPLY	FEDERAL	I IPRIVATEI ISCHDOLSI I	GESC	PROGRAMS
CLUSTER NO. 220	* *	***		*	**************************************	**************************************	~ ~ ~ ~ ~ ~	***	特种特殊的 计可引用
160.288.0 COST ESTIMATOR 168.288.0 CLAIMS EXAMINER	* * * 138							Ψ.	
186.168.0 BANK CASHIER 209.388.1 STATEMENT CLERK 210.388.0 BODKKEEDED	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7			. — —					
	* 0/4 * 757							251 #	
212.368.0 BANKING TELLER	* 255 * 290							200 200 200 200 200 200 200 200 200 200	
215.488.0 PAYRUL CLERK 217.388.0 TBANGIT CLERK	218							* * * *	
219.488.0	355							26 #	
CKE	* * *							17 *	
249.368.2	1 99							* #	
	**	44	15 -	17			444		140100 ACCOUNTING AND
TOTAL	* 3,154	4	15	71 -	3,024		4 46	80 S	
CLUSTER ND. 225			 	i — —				* *	
213.000.0 DATA ENTRY EQUIP. 3	- sen * * *	-	· ·					212 *	
	**	171	•	9 26			980	* * *	140200 BUSINESS DATA
TOTAL	* * \$35 -	171		97	261	. — « » « »	390	212 #	
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CLUSTERS	* * 1	٥	VO⊷TECH SUPPLY	·	DEMAND	0	OTHER SUPPLY	* * *	CLUSTERS
70	* DEMAND	***	计程序设备程序设备程序设备设备设备设备设备设备设备设备设备		MINUS	**************************************	****	*****	14. O
accupations	* * * *	SECONDARYISE	POST SECONDARY	ADULT	VD~TECH SUPPLY	FEDERAL	 PRIVATE SCHOOLS	DESC. *	PROGRAMS
**************************************	* * *	****	**************************************	· · · · · · · · · · · · · · · · · · ·	公司董事中中中中央中央中央中央公司中央市公司中央市场中央市场中央市场中央市场市场市场市场市场市场市场市场市场市场市场市场市场	***	* * * * *	**************************************	计算条件 计分类
209.388.0 CLERK-TYPIST 219.388.3 GENERAL DFFICE	* 1,207 * 1,791			- 				419 678	
CLERK 237.368.0 AOMITTING CLERK 349.363.0 LOAN CLOSER	* * *							* * *	
п Я	* *	769		63			167	}	140300 GENERAL DFFICE
e e e	* * *	120	30	107				* * 1	140900 TYPING & RELATE
U.3.	** 35077	418	30	170	2,063		167	1,131 *	
CLUSTER NO. 235	. * *	1 				6 6 1 2 1 1	; —— ! ! !	* * 	# 1
235.862.0 TELEPHONE OPERATOR *		80		 -				101	
. 10741	319	30		4	285			101	ICATIONS OCCUP.
CLUSTER ND. 240	; — — ·	; ; ; ; ;			1 —— 2 1 1 1 1	. — — 8 1 1 1 1 1		* * 	1
232,368.0 POST GFFICE CLERK * 233,388.0 MAIL CARRIER *	198					- -		*** 00 1715	140403 HAIL AND POSTAL
TOTAL	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7				462			4 * * *	CLERKS



STATEWIDE TOTALS

CLUSTERS		ÖA	VO•TECH SUPPLY	>.	I I DEMAND		OTHER SUPPLY	~ <i>*</i>	H SUPPLY DEMAND OTHER SUPPLY * CLUSTERS
90	* DEMAND	**************************************	****	****	SUNIN	************	***	*********	- B
OCCUPAT10NS	* * * *	I SECONDARY 	POST POST SECONDARY SECONDARY	ADULT	I VO-TECH SUPPLY	 Federal 	 PRIVATE DESC. SCHOOLS!REGISTR.	DESC. 3 REGISTR.*	PADGRAMS
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205.368.0 PERSONNEL CLERK	185	~			•	. — —		10.	140600 PERSONNEL, TRA-
TOTAL	185	p-4			181				INING & RELATED
CLUSTER NO. 250	——	: : : : : : : : : : : : : : : : : : :						* # *	
201.368.0 SECRETARY 202.388.0 STENGGRAPHER	1,780 +				- :	71		4735	
38	. * *	7/0		1.			572	* *	140700 SECRETARY OR STENDGRAPHER
TOTAL	* 2,383 *	672	17.	74	1,617	231	572	** 029	
CLUSTER NO. 255	**			; — —	. —— ! ! ! !			* * 	• • • • • • • • • • • • • • • • • • •
162.288.0 TITLE CLERK	 50 * # # #		30	9				# * # *	140800 SUPERVISORY &
TOTAL	56	~~~	30	•	-12			* * *	ADMIN. FIRIT.



DECUPATIONS SECONDARY SE	CLUSTERS	* * *	·0 ^	VO-TECH SUPPLY	 ≻	DEMAND		OTHER SUPPLY	**	H SUPPLY DEMAND DTHER SUPPLY * CLUSTERS
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1.USTER ND. 260 TOTAL ** ** ** ** ** ** ** ** **	OCCUPATIONS	· * * *	SECONDARY	POST SECONDARY	ADULT	VO-TECH SUPPLY	I FEDERAL	 PRIVATE SCHDOLS R	DESC. **	PROGRAMS
TOTAL TO	CLUSTER ND. 260			* 	·	**************************************	* * * * * * * *	* * * * * * *	* * *	************
TUSTER ND. 265 ** 97 10 ** ** 1.05TER ND. 265 ** 56 2	029.231.0 LABORATORY TESTER	* * *						·	* * *	
18.18a.0 CIVIL ENGINEERING # 73 9 # 160106 18.18a.0 SURVEYOR # 66 2 137 19 # 160106 TOTAL # 139 2 137 19 # 160107 LUSTER NO. 270 # 149 103 100 52 # 160108 TOTAL # 203 103 100 52 # 160108	TOTAL	*** n				. 76			0	
CIVIL ENGINEERING # 73 9 # 15CHRIGIAN	O.N.		——	i ——			* * * * * * * * * * * * * * * * * * *	i — —	i * *	0
18.18a.0 SURVEYOR	CIVIL	+ + + +							* *	
TOTAL # 139 2 137 19 # LUSTER NG. 270	18,183,9	99		7					* # * OI	160106 CIVIL
D. 270 # ELECTRONICS # 149	TOTAL	 6671				137			****	TECHNOLOGY
ELECTRONICS	NO. 270	— — ·	: — —						**	
ELFCTRICAL	ELECTRONICS TECHNICIAN						 ·		1.08	
# 160107 # 160108 # 203 103 100 52 #	ELFCTRICAL TECHNICIAN								* * #	
* 203 103 100 52 * 52 * 52 * 52 * 52 * 52 * 52 * 52	и ж	 * * *		103				· - -	**1	160107 ELECTRICITY 160108 ELECTRONIC
				103		100	_ 		25	, schnutucy



MANPOWER DEMAND AND SUPPLY FISCAL 1974-75

STATEWIDE TOTALS

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CLUSTERS	* * *		VO-TECH SUPPLY	 ≻.	DEMAND		OTHER SUPPLY	* CLUSTERS
-0F	* DEMAND			****	SUNIH	*****	**************************************	LO ***
accupat Ians		SECONDARY	POST POST SECONDARY SECONDARY	ADULT	VO-TECH SUPPLY	FEDERAL	I PRIVATE DESC. SCHOOLS REGISTR.	** PROGRAMS
T*************************************		***************************************	•	**************************************	****	* * * * * *	****	**************************************
633.281.0 MAINTENANCE MECHA- * NIC MILLWRIGHT * 710.281.1 ELECTROMECHANICAL *	****						· · · · · · · · · · · · · · · · · · ·	****
TECHNICIAN	* * *	22	22				· -	* 160109 ELECTROMECHANIC
TOTAL	* * *	22	22		 w		•n	** TECHNOLOGY **
CLUSTER NO. 280	* *			i — — :	— —		:	# # # # # #
012.288.0 INDUSTRIAL ENGI- ** NEERING TECH. **	* * * *							
			 *					* 160111 INDUSTRIAL * TECHNOLOGY
TOTAL	# # 60	- :	4		64	- 		* * *
CLUSTER NO. 285	* *		i — —	; — — ; ; ; ; ; ;			: ! ! ! ! ! ! ! !	; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;
** 710.281.0 INSTRUMENT ** REPAIRMAN	57 -						 -	* * 1
**							-	# 160112 INSTRUMENTATION
* *			12	in				* 172100 INSTRUMENT * AAINT E REPAIR
# # TOTAL # # # # # # # # # # # # # # # # # # #	- L		13		39			***
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CLUSTERS	* * 1	-07	VO-TECH SUPPLY	 >	DEMAND 1	01.0	OTHER SUPPLY	* * 1	CLUSTERS
u. O	* DEMAND	****	****		MINUS	***********	***	***	OF.
DCCUPATIONS *	* * * *	SECONDARY	POST POST SECONDARY SECONDARY	ABULT 1	VO-TECH I SUPPLY I	FEDERAL	 PRIVATE DESC. SCHOOLS REGISTR.	DESC. *	PAGGRAHS
**************************************	***	**************************************	*	*		***	* * * * *	* * *	**************************************
007.181.0 MECHANICAL ENGI-	**				-			• *	
NEERING TECH 019.281.0 QUALITY CONTROL TECHNICIAN	150							****	, , , , , , , , , , , , , , , , , , ,
	* * 1		*					· # ·	TECHNOLOGY
0.4	185		14		171			2.4	
CLUSTER ND. 295					_ _ .			* *	
542.280.0 STILLMAN (PETROL- EUM REFINING)	* * * * *							* * * *	
REFINING)				· — — ,-	- 	. — — -		· # # 1	160116 PETROLEUM
TOTAL	* * * *				4.			w	
P 1 1 9 5 2 0 0 9 3 1 1 1 1 2 5 2 2 2 3 1 1 0 0 0 0 2 3 0 2 1 0		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		5 1 1 1 1 1 K 1 .					SOUTH STREET STREET STREET



STATEWIDE TOTALS

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OCCUPATIONS	***	SECONDARY	POST SECONDARY	ADULT	VD-TECH SUPPLY	 FEDERAL	 PRIVATE DESC. SCHDOLS REGISTR	DESC. * REGISTR.*	PROGRAMS
· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	*********				_		*****	李宗宗宗宗宗宗宗宗宗宗宗宗宗宗宗宗宗宗宗宗宗宗宗宗宗宗宗宗宗宗宗宗宗宗宗宗
CLUSTER ND. 300	* *							* *	
001.281.0 DRAFTSMAN	36				- -			* * 50	
003.281.0 DRAFTSMAN	37							**	
003.281.1 DRAFTSMAN	**							**	
005.281.0 DRAFTSMAN	36 -					- -		10	
	- 68 **							* *	
CO7.281.0 DRAFTSMAN,	186 -		· -	· -				4 4 4	
010.281.0 DRAFTSHANA	- 07						— —	# # m	
GEOLOGICAL 017,281.0 DRAFTSMAN, MAP	- - - - - - - - -					· - -	· — -	* *	
•	**		1 25	· — -) # ·	160198 DRAFTING AND
		148	26	47			160	* *	DESIGN 171300 DRAFTING
TOTAL		148	73	1 44	141		160	105 *	
CLUSTER NO. 305			! — —		· ! — -	1			# 1
020.188.0 BUSINESS	190							* * 1	
PROGRAMMER 213.382.1 DIGITAL COMPUTER *	137			* 44.2 4444	• — —			* * *	•
DPERATOR 219.388.2 PROGRAM CODER *	203							* *	
к П			73		· - -		22	* * *	160401 COMPUTER
TOTAL S	 030 		73		457		22	122 #	
		-				-		# F	***************************************



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CLUSTERS	* * .	0 >	VO-TECH SUPPLY	 .	DEMAND	100	OTHER SUPPLY	* *	CLUSTERS
u.O	* DEMAND	**	***********************	***	MINUS	**************************************	***	***	96
OCCUPATIONS		SECONDARY I	POST SECONDARY SECONDARY	ADULT I	VC-TECH SUPPLY	FEDERAL I	 PRIVATE SCHOOLS R	OESC, # OESC, # REGISTR,#	. PROGRAMS
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139.288.0 TECHNICAL PUBLICA- *	25							* * * *	
- a T	* * *					•			160699 TECHNICAL WRITING
דםדאנ	22				22			* * *	
CLUSTER ND. 315				— — 	• — — — • • • • • • • • • • • • • • • •			: * * : : : : :	**************************************
637.281.0 AIR CONDITIONING *	167	-				79		# # 1 Ø	
(138	86	96			74	* +	170100 AIR CONDITION-
14		01		- 44				* *	ING 173000 REFRIGERATION
TOTAL *	167	148	98	143	-210	*	74	4 + +	
CLUSTER ND. 320		\$ 3 0 1 1 1 3 0 2		1			 	* *	2
327.281.0 HDUSEHOLD APPLI- * ANCE REPAIRMAN *	66							* * * 1	
# #		91					125	* * *	170201 APPLIANCE REPAIR
TOTAL ***	66	191			e0 *0	,	125	23 * * *	
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MANPOWER DEMAND AND SUPPLY FISCAL 1974-75

CLUSTERS	• * -		VO-TECH SUPPLY	>-	I DEMAND		OTHER SUPPLY	~ ~ ~	H SUPPLY DEMAND GTHER SUPPLY * CLUSTERS
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GCCUPATIONS	* * * *	I SECONDARY	POST SECONDARY		VG-TECH SUPPLY	 Federal 	 PRIVATE DESC. SCHDOLS REGISTR	DESC. * REGISTR.*	PROGRAMS
CLUSTER NO. 325	************	**************************************	사 	***	· 并作者 · 并作者 · · · · · · · · · · · · · · · · · · ·	特殊特殊特殊特殊特殊特殊的特殊的特殊的	**************************************	*************	***************************************
807.381.0 AUTO 803Y	199	**.				9 †		, * *	
845.781.0 AUTO PAINTER	£9 + * *	140			, •			* * ZZ	
TOTAL	523	169	9 06	 * *	-14	97	52 29	****	170301 BODY AND FENDER
CLUSTER NO. 330	; ; ; ; ; ; ; ; ; ; ; ;			:					73 B 6 0 P 0 E 2 0 0 E 2 0 0 P 0 0 E 2 0 E 2 0 E 2 0 E 2 E 5 E E 2 E 5 E E 2 E 5 E E
620.281.0 AUTO MECHANIC 620.281.1 AUTO - AIR CONDI-	808			· — · · · · ·		141		# # # 80 CC == e=1	
	. * 1	747	66	120			75	**	170302 AUTD MECHANICS
144.	* 878 	747	- 66	120	 & & •	141	75	* 87[
CLUSTER NO. 335	— — 	:] — — — ;			† # #	• • • • • • • • • • • • • • • • • • •
185.156.0 AUTO PARTS MANAGER 223.387.0 AUTO PARTS CLERK	1000							* * * * 75 74	,
		 8 8 8 8 8 8 8 8						**1	040300 AUTDMOTIVE 170399 AUTDMOTIVE
TOTAL	189	34	•		126			119 *	SERVICES.



CLUSTER NO. 345 TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL CLUSTER NO. 356 CLUSTER	CLUSTERS	TERS	* * .	-0^	VO-TECH SUPPLY	 ·	DEMAND	01;	OTHER SUPPLY	**	H SUPPLY # CLUSTERS H SUPPLY * CLUSTERS
### SECONDARY SE	ö	. * ·	* DEMAND	*****		***		****	****	****	
CLUSTER NO. 340 621.281.0 AIRCRAFT AND 621.281.0 AIRCRAFT AND 621.281.0 AIRCRAFT AND 621.281.0 AIRCRAFT AND 621.281.0 AIRCRAFT ACESS- 621.781.0 AIRCRAFT ACCESS- 621.781.0 AIRCRAFT ACCESS- 621.781.0 AIRCRAFT ACCESS- 621.781.0 AIRCRAFT ACCESS- 70 AIRCRAFT ACCESS- 70 AIRCRAFT ACCESS- 7141.081.0 LLUSTRATORCOM- 7141.081.0 LLUSTRATORCOM- 727 72	ассират	TIONS *	* * * *	I SECONDARY	POST SECONDARY	ADULT	VO-TECH SUPPLY	FEDERAL	PRIVATE! SCHOOLS!R	DESC. *	PRUGRAMS
621.281.0 AIRCRAFT AND # 66 1 1 1 1 1 1 1 1 1	ctustes NO. 340	**************************************	* * * *		**************************************		**********		×	* * * * * * * *	***
### ### ##############################		RAFT AND	99							* * S	
### TOTAL #### TOTAL ##### TOTAL ##### TOTAL ###################################	۲.	NE MECHANIC P	56		, -					* * *	
TUTAL TOTAL	621.781.0	RAFT ACCESS	59						· ·	**	
TOTAL * 121 72 15 34 11 66 * * CLUSTER NO. 345 141.081.0 ILLUSTRATOR—COH— * 47 141.081.1 LANDOR ANI (PRINT, * 27 141.081.1 LANDOR ANI (PRINT, * 27 TOTAL * 74 21 32 3 18 CLUSTER NO. 350 143.062.0 PHOTECRAPHER OR * 50 143.062.0 CAMERAHAN * 174 21 18 18 19 1 14 * 1 170900		S SECTION S		72		151			~	* * *	
CLUSTER NO. 345 141.081.0 ILLUSTRATOR.—COM— * 47 141.081.1 LAYOUT MAN (PRINT. * 27 170700 1		пяя	121	72		*C	34	_ 	11	***	
LLUSTRATOR——COM— # 47	CLUSTER NO.		! 							# * 1 	
AVOLTAL ANA (PRINT, ** 27 NUALISHING) ** 74 21 32 3 18 170700 ** 74 21 32 3 18 35 ** 350 ** 50 13 18 19 170900		STRATORCOM-	L 7 + +							27 #	
350 HOTGGRAPHER OR # 50 13 18 1707000	. ב גיי	UT MAN (PRINT.	27							# # 1 #0	
350 ** 74 21 32 3 18 35 * ** 74 21 32 3 18 35 * HOTGCRAPHER OR * 50 13 18 19 15 * ** 50 13 18 19 15 * ** 50 13 18 19 15 * ** 50 13 18 19 15 * ** 50 13 18 19 15 * ** 50 13 18 19 15 * ** 50 13 18 19 15 * ** 50 13 18 19 15 * ** 50 13 18 19 15 * ** 50 13 18 19 15 * ** 50 13 18 19 15 * ** 50 13 18 19 15 * ** 50 13 18 19 15 * ** 50 13 18 19 15 * ** 50 13 18 19 15 * ** 50 13 18 19 19 15 * ** 50 13 15 15 * ** 50 13 15 15 * ** 50 13 15 15 * ** 50 13 15 15 * ** 50 13 15 * ** 50 15 15 * ** 170900		יאר ויאוואפן	~ * *	21	32	m		-	-	. * *	
350 ** 10	TOTAL		5 2 **	21	32	<u>m</u>	81	_		***	
PHOTGGRAPHER OR * 50 14 * 170900 14 * 170900 15 16 170900 15 16 16 16 16 16 16 16				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1						1 # # · 	
* 13 18			* * *							* * *	
* 50 13 19 *			* *	e				_ _		# # '	
	TOTAL		* * *	13		80	19 1			* * *	



CLUSTERS	+ * 4	·0^	VO∽TECH SUPPLY	· -	DEMAND	or	OTHER SUPPLY	- 	r CLUSTERS
90	* DEMAND	***	***		SUNIM		经济公司的	电影电影电影存储计划以及以外的电影电影电影电影电影电影电影电影电影电影电影电影电影电影电影电影电影电影电影	# # FD
OCCUPATIONS	· * * *	SECCINDARY	PDST SECONDARY SECONDARY	ADULT	VG-TECH SUPPLY	I I FEDERAL I	I IPRIVATEI ISCHDOLSI I	0ESC. * 0ESC. * REGISTR.*	PROGRAMS
CLUSTER NO. 355		**************************************	작	* — —	* * * * * * * * * * * * * * * * * * * *	**************************************	* * * * * * *	***	· 有着我们的,我们就会有一个,我们就会会会会会会会会会会会会会会会会会会会会会会会会会会会会会会会会会会会会
741.384.0 SPRAY PAINTER 841.781.0 PAINTER OR	* 175							* * * 13.04 14.05 16.05	
PAPERHANGER 660.381.0 CARPENTER 899.381.0 MAINTENANCE MAN, RUTI, DING	* * * 617 * * 293							* # * † 1900 1900 1900 1900 1900 1900 1900 190	
	* * *		75					* * '	160197 BUILDING
	. * +	797		01				* *	CONSTRUCTION CARPENTRY
1946	* 1,231	795	75	10	117			* * * 000 000	
CLUSTER NO. 36C	, — — . 	I — — ·			1	* * * * * * * * * * * * * * * * * * *		1 # # 1 1 1 1 1	
321.381.0 LINEMAN 822.381.0 TELEPHONE	4 * *							* * #	
INSTALLER 824.281.0 ELECTRICIAN 829.381.0 CARLE SPITCER	4 4 423							* # ·	
		32 - 36 - 36	8	18 1			06	* * * ;	171002 ELECTRICITY 171400 ELECTRICIAN
T' AL	**	99	81	34	405		06	161 **	אמראונט

STATEWIDE TOTALS

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# O	* DEMAND 1	***	经安装条件	****************	MINUS	***********	***	***	90
DCCUPATIONS		SECONDARY	~ ()		VO-TECH SUPPLY	FEDERAL	 PRIVATE DESC. SCHDDLS REGISTR	DESC. *	PRGGRAMS
**************************************	7	*	-	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	在全部分分學之分子與中華學學學學學學學學學學學學學學學學學學學學學學學學學學學學學學學學學學學學	*****	***	**************************************
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.559.665.0 HEAVY EQUIPMENT OF CONTRACT OF	762	6 0		13		8 N		* * *	171005 HEAVY EQUIPHENT
047	32 88	10		13	307	23		118	
CLUSTER ND. 370) 	1		3 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
844.884.0 CEMENT MASON 861.381.0 BRICKLAYER	116 282	99		~				52 72	> 000 FF
TOTAL	368	99		· ~	330			124	
CLUSTER NO. 375						1 1 1 1 1 1		* * - - - - - - - -	2
862.381.0 PLUMMER AND PIPEFITTER	222							***	
	* *	12	30.	00			25	**	171007 PLUMBING AND PIPEFITTING
TOTAL	222	12	in m	60	167			* * *	
	. ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! !			-			- ! ! ! ! ! !	7 7 8 8 8 8 8 8	; ; ; ; ; ; ; ; ; ; ; ;



CLUSTERS	. * *	Ö N	VO-TECH SUPPLY	>	DEMAND	- T	OTHER SUPPLY	π π · > _	CLUSTERS
40	* DEMAND	***	****	_ 	MINUS	*****	***	************************	u O
DCCUPATIONS		SECONDARY	POST SECONDARY	ADULT	VO-TECH SUPPLY	 FEDERAL 	 PRIVATE SCHDOLS 	PRIVATE! DESC, * SCHDOLS!REGISTR,*	9
######################################	· · · · · · · · · · · · · · · · · · ·	**************************************	· · · · · · · · · · · · · · · · · · ·	7 	***	***	*****	***	***
638.281.0 MAINTENANCE MECHA- *	* * * *				_				
801./31.0 SINDCIURAL SIREL ** WORKER ** 809.381.0 LAYDIT MAN	0 0		•					* # -	
(STRUCTURAL) *	<u> </u>							# # # ·	171099 CONSTRUCTION &
TOTAL **	210				210			# # # # #0	AAINT, TRADE
**************************************			! — — ·					* *	. 2 0 3 0 1 1 1 1 1 1 1 1 1
638,281.0 HAINTENANCE MECHA- * NIC MILWRIGHT *	122				, -			* * * *	3 NOTECHEROLES
TGTAL ***	122			15.	110			* * * *	HAINT, TRADE
**************************************								# # - - - - - -	## B # # # # # # # # # # # # # # # # #
38 . 34.0 JANITÜR #	531	28					e 0	* * * 66T	171100 CUSTEDIAL
*** 'Y'	531	 88			503		 0 m	* * * 661	SERVICES

STATEWIDE TOTALS

SECONDARY SECONDARY ADULT SUPPLY FEDERAL SCHOOLS REGISTER, RECONDARY SECONDARY SUPPLY	CLUSTERS	! # −1	ÓΛ	VO-TECH SUPPLY	· ≻	DEMAND	OT .	OTHER SUPPLY	* * <u>></u>	CLUSTERS
### SECONDARY SEC ***********************************	- OF	* DEMAND	-	********		MINUS	****** -*****	****	****	90
CLUSTER ND. 390 ** CLUSTER ND. 390 ** TOTAL TOTAL TOTAL TOTAL TOTAL ** 293 103 1 ** 293 103 1 ** 293 103 1 ** 201 103 1 ** TOTAL ** TO	GCCUPATIONS	* * * *	SECONDARY		ADULT	VO-TECH SUPPLY	 FEDERAL 	 PRIVATE SCHOOLS 	# DESC*	PROGRAMS
## 171200 ## 171200	CLUSTER ND. 390	**************************************	- * * * * * * * * * * * * * * * * * * *		# — — {} {} {} {} {} {} {}	** ** ** ** ** ** ** ** **	**************************************	A	* * * * * * * *	经保存帐 计分类 化苯基苯基苯基苯基苯基苯基苯基苯基苯基苯基苯基苯基苯基苯基苯基苯基苯基苯基苯基
TUTAL # 293 103 66 7 117 15 46 ** CLUSTER ND. 395 # 71 TUTAL # 293 103 66 7 117 15 46 ** # 71 TUTAL # 71 # 726.731.0 ELECTRONIC # 74	625.291.0 DIESEL MECHANIC	50 50 50 50 50 50 50 50 50 50 50 50 50 5	103	9	r		51		4 # # #	171200 DIESEL
CLUSTER ND. 395 ** 721.281.0 ELECTRIC MOTOR ** 71 ** 71 ** 71403 ** 71403 ** 71403 ** 726.781.0 ELECTRONIC ** 74 726.781.0 ELECTRONIC ** 74 726.781.0 ELECTRONIC ** 74 727.0 84 74 757.0 84	T0TAL	503	103	99		711	5		95 95 95 95 95 95 95 95 95 95 95 95 95 9	MECHANICS .
721-281.0 ELECTRIC MOTOR		**		——	T — — · 1 1 1 1 1 1 1 1 1				1 * * 6 8	
# 71	721.281.0	7 7 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8							* * * *	171403 HOTOR
NG. 40C ** O ELECTRONIC ** ASSEMBLER ASSEMBLER ASSEMBLER ASSEMBLER ** O ELECTRONIC ** AECHANIC ** ** ** ** ** ** ** ** ** ** ** ** **	·	7				17			****	REPAIRHAN
ELECTRONIC * 290 346 * 4	Ž.				1 — — - 1 1 1 1 1 1	, — — ·			** ** ·	. 6 0 0 3 5 5 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0
ELECTRONIC * 74		590							346	
# 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		5 2				_ 			25	
		# #			- c6	- 			* *	171502 ELECTRONICS
	TOTAL	364	 \$		95	185			398 *	

* 5.*



MANPOWER DEMAND AND SUPPLY FISCAL 1974-75

STATEWIDE TOTALS

OCCUPATIONS SECONDARY SE		CLUSTERS	* * 1	-07	VO÷TECH SUPPLY	· -	DEMAND		OTHER SUPPLY	* * >	H SUPPLY DEMAND DTHER SUPPLY * CLUSTERS
## SECONDARY SEC		t O	* DEMAND	· · · · · · · · · · · · · · · · · · ·			MINUS		***	**********	e o
CLUSTER ND. 405 ** 116 REPAIRHAN 823-281.0 RADIG MECHANIC ** 39 CLUSTER ND. 410 ** 155 60 22 47 ** 155 100 22 47 ** 155 100 22 47 ** 155 100 22 47 ** 155 100 22 47 ** 155 100 22 47 ** 155 100 22 47 ** 157 100 22 11 ** 100 22 11 **		OCCUPATIONS	* * * 2	SECONDARY	POST SECONDARY	ADULT	VO-TECH SUPPLY	 FEDERAL 	 PRIVATE SCHOOLS 	BESC. *	PRUGRAMS
RADIG AND TV		CLUSTER NO. 405		수 	:\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	수 	- + + + + + + + + + + + + + + + + + + +	**************************************	* - * * * * * * * * * * * * * * * * * *	**	***
## 155 60 22 47 26 115 # 160191 TOTAL # 155 60 22 47 26 51 # 171903 CLUSTER NO. 410 # 226 2 1 223 21 # 171600 TOTAL # 226 2 1 223 21 # 171600 TOTAL # 226 2 1 223 21 # 171600 TOTAL # 226 2 1 223 21 # 171600 TOTAL # 226 2 1 223 21 # 171600 TOTAL # 226 2 1 223 21 # 171600 TOTAL # 226 2 1 223 21 # 171600 TOTAL # 226 2 1 223 21 # 171600 TOTAL # 226 2 2 3 4 # 4 # 4 # 4 # 4 # 4 # 4 # 4 # 4 # 4		0	116			•				## +	
TOTAL # 155 60 22 47 26 171503 CLUSTER NO. 410 361.385.0 LAUNDRY PERSONNEL # 226 2 1 223 21 # 171600 TOTAL TOTAL # 155 60 22 47 26 2 1 21 # 171600 TOTAL # 226 2 1 223 21 # 171600 TOTAL # 226 2 1 223 21 # 171600 TOTAL # 105 82 47 26 2 1 21 # 171600		.281.0	36	- - ·						15 *	
TOTAL CLUSTER NO. 410 TOTAL TOTAL TOTAL CLUSTER NO. 415 TOTAL TOT		m m t 1			22		-			**	160191 ELEC REPAIRMAN (RADIO/TV)
CLUSTER NO. 410 TOTAL		TOTAL *	155	09 9		1	- 			* * *	
# 171600 ## 226			-		!	-	3			* *	
361.385.0 LAUNGRY PERSONNEL * 226 2 1 2 1 223 21		S D				! — — ! ! ! !	, — — 2 6 1 1 1 1			**	. B 0 1 0 9 1 1 9 1 0 0 2 5 5 7 0 0 1 2 0 0 0 1 2 0 0 0 1 2 0 0 0 1 2 0 0 0 1 2 0 0 0 1 2 0 0 0 0
TUTAL # 226 2 1 223 21 # CLUSTER NO. 415 # 15 15 15 15 15 15 15		361.385.0 LAUNCRY PERSONNEL *	226	~~~						21**	
COPY READER * 15	050	i	226	~~~			223			****	
COPY READER * 15		Q			——·		; — — — ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;	; — — ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;		* * 	# 0 1 1 0 0 0 0 1 1 1 0 1 1 1 1 1 1 1 1
* 171902 * 168 82 43 6			122	— — — <u>-</u>		 -				4 # #	
* 168 82 43 6 37				82	64	•				* * '	
		T07AL *	168	82	43	•	37			32 * *	



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CLUSTERS *		0>	VO∵TECH SUPPLY	- <i>-</i>	DEMAND	 iTO	OTHER SUPPLY	**:	CLUSTERS
# .	DEMAND	****	****	*****	MINUS	*******	***	****	H.O
accupatiqns	SECONDARY I SE	SĘCONDARY	POST SECONDARY	ADULT	VO+TECH SUPPLY	FEDERAL	PRIVATE DESC. SCHOOLSIREGISTR	BESC. *	PRUGRAMS
CLUSTER ND. 420					** ** ** ** ** **	*	* * * * *	* * * * * * * * *	· · · · · · · · · · · · · · · · · · ·
* 518,331,0 COREMAKER *								***	142401 EDENINOS
* TOTAL **				· 	83			* * * * ~	
SLUSTER NO. 425				 	; ; ; ; ; ; ; ;	5 0 1 2 2 2 1 1		# # · 	9 2 5 2 0 4 2 2 4 2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
	94						15	# # # ₩ ~	
(MACHINE SHOP) * (AC1.230.0 TOOL AND DIE	6,9							10	
601.250.1 TIGH MACHINE **	75					52		m -	
603,280.0 PRECISION GRINDER * 609,885.0 PRODUCTION MACHINE *	531					38	1	* # # 70 70 70 70	
615.732.0 SHEAR OPERATOR * 705.684.0 BENCH GRINDER	87	- -						* * * 20	
** **	<u></u>	129	- 0E	99				* 1	172302 HACHINE SHOP
T3T&L	1,472	129	08	99	1,247	91	*S	* * * ©	,
21556988888888888888888888888888888888888	************		f	 					*********************

STATEWIDE TOTALS

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CLUSTERS		ā	VD+TECH SUPPLY	· ≻	DEMAND		OTHER SUPPLY	* * *	CLUSTERS .
#D	* DEMAND	***	****	· 安安公安安安安安安安安安安安安 	MINUS	****	******	*	.
accupations *		SECONDARYISEC	POST SECONDARY	ADULT	VO-TECH SUPPLY	FEDERAL	 PRIVATE DESC. SCHOOLS REGISTR 	# 0ESC. # REGISTR. #	PROGRAMS
######################################	***	***	***********	*	**	*****	* * * * * * * * * * * * * * * * * * *	**	***************************************
* 806.731.0 AIRCRAFT-STRUCTURE *	87							13 *	
807.884.0 AIRCRAFT SUB-ASSE* * ** MBLY ASSEMBLER **	78	 & R			- -			175	170401 AIRCRAFT
·							20	* * *	HAINTENANCE 172304 METAL TRADES, COMBINED
* * * * * * * * * * * * * * * * * * *	165	— — — ∞ m			127		20	25 20 4 # #	
* CLUSTER NO. 435			i — — - i	t — — -	; — — ; ; ; ;		i — — ·	# # 	*********************************
### 617,380,0 BRAKE UPERATUR ## 619,380.0 METAL FARRICATUR ## 804,281.0 SHEET METAL WURKER ###################################	68 153 279	 88		30					172305 SHEET HETAL
**************************************	- 005	 eo m		30	432			61	
*********************		- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1		-	-	-	- 1 - 1 - 1 - 1 - 1	***************************************	*************



STATEWIDE TOTALS

CLUSTER NO. 456 CLUSTER NO	CLUSTERS	.	Ô	VO∵TECH SUPPLY	 >	DEMAND	- O	OTHER SUPPLY	ਜ ਜੋ: > :	CLUSTERS
######################################	E	DEMANO	**************************************		*****	SUNIK	_ _ _ _ _ _	***	######################################	
CLUSTER ND. 440 810.782.0 WELDING MACHINE 810.884.0 WELDER, ARC 810.884.0 WELDER, ARC 810.884.0 WELDER, ARC CDM81NATION 810.782.0 FLAME CUTTER MA- 810.884.0 FLAME CUTTER, 810.884.0 FLAME C	OCCUPAT IONS		SECONDARY	POST SECONDARY	ADULT	VO-TECH SUPPLY	 FEDERAL 	I PRIVATE SCHOOLS 	DESC. * REGISTR.*	PROGRAMS.
10.782.0 WELDING MACHINE 138 19 19 17 10 10 10 10 10 10 10 10 10 10 10 10 10	######################################	↑ * * * * * * * * * * * * * * * * * * *	~ ~ ~ * * * * * * * * * * * * * * * * * * *	· · · · · · · · · · · · · · · · · · ·	*****		* * * * * * * *	****	**************************************	· · · · · · · · · · · · · · · · · · ·
## 17290 ##	ċ	138							17 #	
816.782.0 CDMRIATION 816.884.0 CDMRIATION 816.884.0 CLUSTER ND. 445 CLUSTER ND. 450 CLUSTER ND. 450 CLUSTER ND. 450 CLUSTER ND. 450 SOC.782.0 HEAT TREATER CLUSTER ND. 450 SOC.782.0 HEAT TREATER CLUSTER ND. 453 SOC.782.0 HEAT TREATER	810.834.0 WELDER, ARC 312.884.0 WELDER,	837					39	15	126 * *	
### CUTIER ### CUTIER ### FOUNDER OF FEATOR ### FOUNDER NO. 445	O FLAME CUTTER	30				- -			* * •	
TUTAL # 1.042 258 147 637 254 159 172306 CLUSTER NO. 445	CHINE OPERATOR 816.884.0 FLAME CUTTER,	37				•			* *	
TOTAL # 1.042 258 147 637 254 159 157 # CLUSTER NO. 445 # 172399 TOTAL # 30			258		147			66	# * *	
0.380.0 PLATER (ELECTRD * 30 6 * 172399 6 * 172399 6 * 172399 6 * 172399 6 * 172399 6 * 172399 6 * 172399 6 * 172399 6 * 172309 6 * 172309 6 * 172309 6 * 172400		1,042	258		147	637	254	159	* * *	
PLATING)	USTER NO	000							* * * * * * * * * * * * * * * * * * *	
NO. 450 * 30 NO. 450 * 43 NO. 450 * 160114 * 172400	PLATING)						, . .		**	172399 HETALWORKING
NG. 450 * 43	TOTAL	06				30			* * *	
** 43 160114	2		, ! ! ! ! !						* * 	5 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
** * * * * * * * * * * * * * * * * * * *	504.782.0 HEAT TREATER								***	
+ + + + + + + + + + + + + + + + + + +	. r 75								* * 1	
	TOTAL	6,4				43			+ *	



STATEWIDE TOTALS

CLUSTERS		Š	VO-TECH SUPPLY	· ≻.	DEMAND		OTHER SUPPLY	* * -	CLUSTERS
- O	* DEMAND	***	****	****	SUNIM	***	电影电影电影电影中的电影电影电影电影电影电影电影电影电影电影电影电影电影电影电影	****	9D
CCCUPATIONS	***	SECONDARY	POST POST SECONDARY SECONDARY	ADULT	VO-TECH SUPPLY	 Federal 	 Paivate Schools	DESC. # DESC. # REGISTR. #	PROGRAMS
CLUSTER NO. 455	() () () () () () () () () ()	****	**************************************	* - -	# * * * * * * * * * * * * * * * * * * *	***		* * * * * * * * * * * * * * * * * * *	李林林林林林林林林林林林林林林林林林林林林林林林林林林林林林林林林林林林林
373.364.0 FIREMAN	151		. 29				. <u>-</u>	* * * * 02	160602.FIRE SAFETY
TOTAL	121		58		92	· <u>-</u>		* * * * 20 27	TRAINING
CLUSTER NO. 460	* * 1			- - 	; ; ; ; ; ; ; ;	1	 	* *	1
375.268.0 POLICEMAN 377.868.0 DEPUTY SHERIFF	171	·	12			3		* * * * ~ m m	160605 POLICE SCIENCE
	* * *			— — -				* * 1	172802 LAW ENFORCEMENT TRAINING
TOTAL	205		12		193	•		37	
CLUSTER NG. 465	* * *			i — — — — — — — — — — — — — — — — — — —	; ; ; ; ; ; ; ;			* * * * * * * * * * * * * * * * * * *	
168.168.0 BUILDING INSPECTOR *				- -				6 # # 	172899 PUBLIC SERVICE
TOTAL	27				27			~ * *	OCCUPATIONS



STATEWIDE TOTALS

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יי כרטאן פאט	* *	Ó>	VO≈TECH SUPPLY	 ≻	DEMAND	6	OTHER SUPPLY	- · -	CLUSTERS
L O	* DEMAND	*****	***	***********	SUNIA	****	****	******	F0
OCCUPATIONS	* * *	P SECONDARY SEC	POST SECONDARY	ADULT	VO-TECH SUPPLY I	FEGERAL	 PRIVATE DESC. SCHOOLS REGISTR 	DESC. *	PROGRAHS
CLUSTER No. 470	**************************************	**************************************	**************************************	****	~ -	**************************************	***	***	***
***195.108.0 SDCIAL WORKER	* * 121 -							* * *	172899 PURI 1 SERVICE
1970 TOTAL	***				121			* * * * \$\frac{1}{2}	OCCUPATIONS
CLUSTER NO. 475	: : : : : : : : : : : : : : : : : :		 		 	1		* * * ! ! ! !	# 2 & 2 # 2 \$ 2 2 2 & 2 2 2 2 2 2 2 2 2 2 2 2 2 2
195.228.0 RECREATION LEADER *	* * * *							m m	172899 PUBLIC SERVICE
TOTAL	* * * *				75			* * * * m	GCCUPATIONS
CLUSTER NO. 480	; — — · · · · · · · · · · · · · · · · ·		 	1	 	· · · · · · · · · · · · · · · · ·	; ;	: * * : : : : : : : : : : :	
526.781.0 BAKER	* # *							15 * *	0000 P
TOTAL	 60 80		: ::	· — — —	78			12	TOTAL DANES
CLUSTER ND. 485	; — — · · · · · · · · · · · · · · · · ·			: : : : : : :	— —	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		! * * ! ! !	7:
313.131.0 CHEF 313.381.0 COOK	* 55 * 1,269 *	54	25			w		16 * * *	172802 FORV/FUEE
TOTAL TOTAL	* 1,324 * 1,324	24	22		1,278	60 -	· — — -	297 **	
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	* *	01		12			05	* * #	172903 BUTCHER (MEAT
TOTAL	396			12 -	374	· — — —	50	66	2
CLUSTER NO. 495	, —— · 			; — — ; ; ;			i	* * 	3 h e b e e e e e e e e e e e e e e e e e
318.887.0 DISHWASHER	* * 651 							* 727	ADOR VITTANTIO
TOTAL	* * * *				651			* * * * 72 7	066UP . 01HER
CLUSTER ND. 500	**		: — — : : : : :	! — — ! ! ! !	— —		i	***	720002223223300000000000000000000000000
625.281.1 SMALL ENGINE REPAIRMAN	226							κ, φ,	
	**	54 -	17	53					173100 SMALL GASOLINE
fotal	226	54	17 1	53	102			* *	

STATEWIDE TOTALS

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107 TOTAL	141				141			***	
CLUSTER NO. 510	м м.			— — · · · · · · · · · · · · · · · · ·	 	 		3 # # F 2 1 1 1 6	B
730.381.0 FURNITURE *	103					 -		10	
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		39		22.00				* * *	173600 WDDDWDRKING 173601 CABINET MAKING
TOTAL	283	17		- 84	194			* * * °	



MANPOWER DEMAND AND SUPPLY FISCAL 1974-75

STATEWIDE TOTALS

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CLUSTER NO. 525	* ** *		·					**	
706.884.0 ASSEVBLER, METAL PRODUCTS	866							140	
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TOTAL	866			0,	958			140	
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184.168.0 TRAFFIC MANAGER 902.883.0 DUMP TRUCK DRIVER	21 - 120 - 130 - *							21 + 20	
	366				,			152 *	-
905.883.0 TAUCK DAIVER	* 475							235 *	
966.883.0 TAUCK ORIVER	+ 504				- -		 ·	154 #	
	* 214							4 m 4	
922.383.0 FORKLIFT CPERATOR 929.EE7.O MATERIAL HANDLER	* 262 * 1,103							59 *	
	* 1	15		97	-		50) 	179901 TRUCK DRIVER
TOTAL	3,110	15 1		97	3,049		20	* * 986	
CLUSTER NO. 535		F — — ·	i — — ·		— — ·		<u> </u>	* * 	-8 6 7 6 6 7 6 6 7 7 8 6 7 7 8 8 7 7 8 8 8 7 7 7 7
899.281.0 MAINTENANCE MAN EQUIPMENT	388							52 * * *	
TOTAL	3888			.— <u>—</u>	 88 8			* * *	171003 HEAVY EQUIPMENT
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CHAPTER III

A DESCENDING ORDERING OF PROGRAM CLUSTERS RANKED BY DEMAND MINUS VOCATIONAL-TECHNICAL SUPPLY

In this chapter a descending rank order of program clusters by demand minus vocational-technical supply is presented. The program cluster with the greatest net manpower demand is ranked one (1) and is followed in order by the program clusters with lesser demand.

It must be remembered that the net manpower demand figures are only projections not absolute values. Comparison of the ranks of specific clusters must be accompanied by an examination of the difference in net manpower demand between the clusters.

The rank ordering is provided as a simple analysis of the tables. It may be used to quickly identify program clusters by vocational and technical divisions in which training is needed on a statewide and/or regional basis.



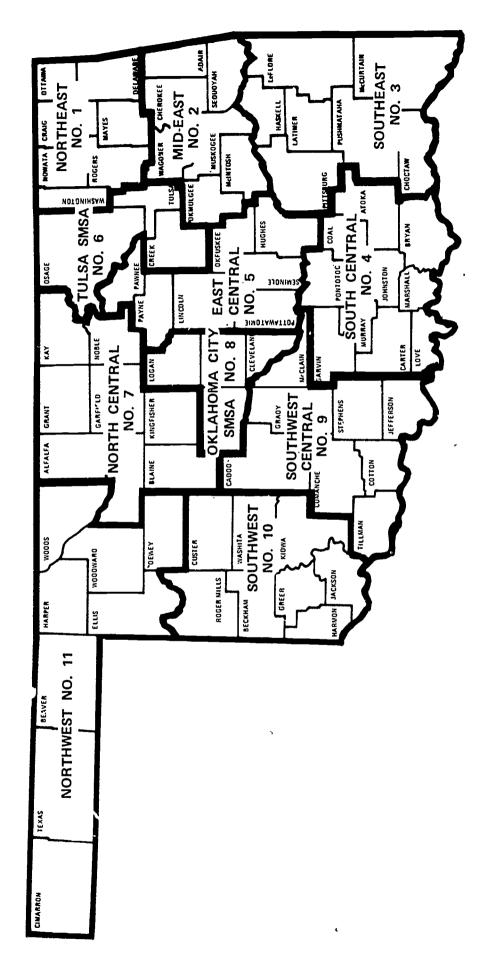


FIGURE 1: STATE PLANNING REGIONS USED IN INTERFACING

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A DESCENDING ORDERING OF PROGRAM CLUSTERS

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260-289.0 SALES GCCUPATIONS # (GnnDS)		I I OCCUPATIONS	2:	— — . * * *											
292.353.7 SAI ESMÄN-DRIVER ** 915.867.0 SERVICE STATION ** PACGRAMS: 01020 ADPAREL AND ** 100230 AUTJUILIES/SFRV- ** 100230 AUTJUILIES/SFRV- ** 10000 APPAREL AND ** 10000 APPARETING **			SALES OCCUPATIONS (GOODS)	* * * *											
PATGRAMS: 01020C AGP:CULTURAL 10020C AGP:CULTURAL 1000 APPAREL AND 400200 APPAREL			SALESMAN-DRIVER (ROUTEHAN)	* * * 1											
PEGGRAMS: 01020C AGFICULTURAL ** 1CL SUPPLIES/SFRV- ** 1CL 1CL APPAREL AND ** 1CCCESSORIES 040200 APPAREL AND ** 1040200 AUTOMOTIVE ** 1040300 AUTOMOTIVE ** 1040300 GFIEPAL ** 1040300 GFIEPAL ** 1040300 HOW. BLDG. MAT. ** 1040300 HOW. BLDG. MAT. ** 10410300 HOW. BLDG. WAT. ** 10410300 HOW. BL			NESTICE SIALION ATTENDANT	 * * 1											
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TGHRISY RETAIL TRADE * WHYLESALE TRADE * HOWE FURNISHING *			SETRICED AND								— — ·				
RETAIL TRADE *	• (TGHRISH	- 			-	_							
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A DESCRIDING ORDERING OF PROGRAM CLUSTERS

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A DESCENDING ORDERING OF PROGRAM CLUSTERS

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	1156.283.0 CBST ESTIMATUR 125.283.0 CLAIMS EXAMINER 1156.165.0 1444 CASHER 1209.383.1 STATEMENT CLERK 1210.385.0 BOTH/EFFER	****											
_	211.35%.0 CATHIER 212.36%.0 674KTR TRLUER 015.38%.0 GATKKTRPING NA-								-				
	715.45%.C P2.27LL CL58K 217.35%.C TP3.51T CLF8K 719.45%.C ACCUNTING CLERK 249.358.C CREDIT CLERK 749.358.1 CLAIYS CLERK			_ 				<u></u>	_			<i>→</i>	
06	1 249.168.2 NEY ACCOUNT CLERK BROGRAMS:				•••				_ 				
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A DESCENDING ORDERING OF PROCRAM CLUSTERS RANKED BY DEMAND MINUS VO-TECH SUPPLY

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A DESCRING ORDERING OF PROGRAM CLUSTERS

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A DESCENDING DRDERING OF PROGRAM CLUSTERS

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A DESCENDING ORDERING OF PROGRAM CLUSTERS

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A DESCENDING ORDCRING OF PROGRAM CLUSTERS

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A DESCENDING DRDCRING OF PROGRAM CLUSTERS

7 7 9 8	RANK PREGRAM CLUSTERS	* MINUS	х	æ u	S. E.	ئ ئ	້ ຜູ້	TULSA SMSA	ż	CITY SMSA	S.¥.C.	S. E.	ž
		*SUPPLY	1.	#2	£.	4	# \$2	9	*	89 **	6 **	# 10	#
7.	CLUSTER: 240			****			* — — * * * * *	구	* * * * * * * *	**** **** 		* * * * * * * * * * * * * * * * * * *	* * * * *
	OCCUPATIONS:	 ** *					-	· 		. — _	. — —		
;	1 232.309.0 POST OFFICE CLERK 1 233.388.0 MAIL CARRIFR	 * n *								· 			
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	I 140403 NATL AND POSTAL I CLFRKS	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	171	25	01	=====	13	133	12	204	23	2	4
(4)	. CL/STER: 305			-	·		- -	- -	1			- ! -	
	GCCUPATIFHS:	 **											
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	PAGGRAMS:	-											
	160401 COMPUTER 	4 4 4 5 7 -	12		?	4	eo	217 1	1	210			
1.91	. CLHSTEP: 435	— ·				- -			- ! -		- -	- 1 -	
	OCCUPATIFMS:												
	617.180.0 PRAKE OPERATOR 1 619.330.0 METAL FASRICATOR 1 304.281.0 SHEET METAL WORKER												
~ *** .	FREGRAMS:										· 		
	172305 SHEET METAL	- 735 * * *	41 -	15	15	20	30 –	140	29	- 111	24	m	•



A DESCENDING DRDERING OF PROGRAM CLUSTERS

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20	CLUSTER: 360	* * * * * * * * * * * * * * * * * * * *	***	* — — · * * * * *		* — — · * * * * * * * * * * *	* — ~~ · * * * * * *	;; — — · * * * * * *	* — — · * * * * *	* — — · * * * *	* — — · * * * *	* — - · * * * *	
	GCCUPATIONS:	* * 1											7 7 1
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,	324.251.0 ELFCTRICIAN 329.331.0 CARLE SPLICER	 • * * ·								 -		- -	
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21	CLUSTER: 25			<u> </u>	! "			1					
	: CCUPATIFNS:	 * * *		~ — -									***
	142.081.0 FLARAL DESIGN	***		- -	 _							- -	
	PROGRAMS:	 -											* *
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	: OCCUPATIENS:	- - -											• • •
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A DESCENDING DRDERING OF PROGRAM CLUSTERS RANKED BY DEMAND MINUS VO-TECH SUPPLY

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A DESCENDING DRDERING OF PROGRAM CLUSTERS

7.00 PRECENT CLUSTERS														
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1710A HEAVY EQUIPHENT # 307 12 17 16 24 21 59 24 96 22 9		P27GRA.4S:	* * :											
CLUSTER: 235				12	17	16	24	21	59	24	96	22	•	7
725.962.0 TELEPHONE OPERATOR * 235.962.0 TELEPHONE OPERATOR * 235.962.0 TELEPHONE OPERATOR * 190600 INFGRY, COMMUN- * 1106400 INFGRY, COMMUN- * 1106400 INFGRY, COMMUN- * 1106400 INFGRY, COMMUN- * 1106400 INFGRY, COMMUN- * 1111	27	235	; — - ! ! ! ! !	; ! !										
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1+0400 INFCRM, CDMHUN-		1 235.862.0 TELEPHONE OPERATOR	 * * * 1							 .				
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A DESCENDING DRDERING OF PROGRAM CLUSTERS RANKED BY DEMAND MINUS VO-TECH SUPPLY

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	CLUSTER: 225	~~·						*	; ; ; ; ; ; ;			• • •	
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	213.000.0 DATA ENTRY EQUIP- MENT OPERATOR	* * *											
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	079.378.0 LICENSED PRACFICAL HUPSE (L.P.N.)						* -						
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 	351.835.0 LAUNDRY PERSONNEL	- - -											
- - -	PROGRAMS:	- - -											
	171600 LAUNDERING & DRY CLEANING	52	10	12	ω	13	13	4.8	4,	61	21	17	•



A DESCENDING ORDERING OF PROGRAM CLUSTERS RANKED BY DEMAND MINUS VO-TECH SUPPLY

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A DESCENDING ORDERING OF PROGRAM CLUSTERS RAWKED BY DEMAND MINUS VO-TECH SUPPLY

7.7.7.	PREGRAY CLUSTERS	**************************************	 			M. E. S. E. S. C. E. C. SHSA N. C. SMSA S.W.C. S.W. W.		TULSA	ž	CITY SMSA	S. W. C.	ςς *	× ×
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	OCCUPATIONS:	·							- 				
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36	CLUSTER: 75					- 1 -	- -			- : -	- ; - ;		
	nccupatifus:	 **											
	1 189.168.0 HANAGER, TRAINEE										- 		
	PROGRAMS:	* * *											
	I 040901 HID MANAGEMENT	- 196I * * *	-29	24		01	17	56	~	89	17		Ŋ
17:	CLUSTER: 515		-			- [-		- : -		- 1 -	- -	- ! -	1
	OCCUPATIONS:	·											
	660.230.0 CARINETHAKER 659.350.0 MILLMAN 763.331.0 FURNITURE FINISHER >									· — —			
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	173600 WONDWORKING 1173601 CARINET MAKING 1	1961	0.0			22	^	9,	30	99	16	24	m
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	1 375.268.0 POLICENAN 1 377.868.0 DEPUTY SHERIFF						 -		. — — -				
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	150605 POLICE SCIENCE		 «									* *** <u> </u>	
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A DESCENDING ORDERING OF PREGRAM CLUSTERS

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A DESCENDING URDERING OF PROGRAM CLUSTERS

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22	FANKI PRIGRAM CLUSTERS	*DEMAND	 w z			° ° °	ن ن ش	TULSA	ů ž	OKLA. CITY SHSA	S.W.C.		* * * * * * * * * * * * * * * * * * *
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	219.388.1 WAPD CLERK												**
	PROGRAMS:	 -											3 #
	I 979972 WARD CLERK I	* 177 * 177	o •	12	4	16				29		4	 * * *
43	3 ; CLUSTER: 230												*
	OCCUPATIONS:	-								 			* *
	007.181.0 MECHANICAL ENGI- NEFRING TECH 019.281.0 GUALITY CONTROL TECHNICIAN				— — ** — —	-							****
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A DESCENDING ORDERING OF PROGRAM CLUSTERS

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*	*	*SUPPLY		#2	£3	*	IC)	9	#7	e0 3k	0°.	#10	# 13
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	AKCHITECTURAL 003.281.0 DRAFTSMAN	* * *							 •				
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	005,221.0 DRAFTSMAN								·				
	OO7.191.1 DIE DESIGNER	 **				:			_ _				~ •
	I 007.251.0 DRAFTSMAN, I MECHANICAL	* *											
	1 010.281.0 DRAFTSMANS	* *		. -					- , - -				
	OIT.281.0 DRAFTSHAN, MAP	* * 1											
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	160198 DRAFTING AND	- -											
	1 171300 DRAFTING	* 141	9-	 φ	 e	2-	7	69	- n	138	071		-
4.5	CLUSTER: 505			i —-									
	OCCUPATIONS:												
	1 950.782.0 STATIONARY	**;											
	1 952,782,0 POWER PLANT CPERATOR	. * * :											
	PROGRAMS:	 * 46 1	 .										
	1 173200 STATIONARY 1 ENERGY SOURCES 1 DCC	* * * *	6	10		m	~			47	15	m 	,
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A DESCENDING ORDERING OF PROGRAM CLUSTERS

RANKED BY DEMAND MINUS VO-TECH SUPPLY

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47	7 CLUSTER: 265	* *			*	*	* * * * *	# — — # # # # #	* * * * * *	*	* * * * * * * *	* * * * * * * * * * * * * * * * * * *	* * * * *
	I OCCUPATIONS:	* * :		_									
	1 005.181.0 CIVIL ENGINEERING I TECHNICIAN I 018.188.0 SURVEYOR	* * * * *											
	PRIGRAMS:	**											
	1 160106 CIVIL TECHNOLOGY 	** 137	4	m			~	36	•		•	4	
4	3 / CLUSTER: 430	*					-						
	GCCUPATIONS:										· — —	· 	
12 LEVES	806.781.0 AIRCRAFT-STRUCTURE ASSEMBLER 807.884.0 AIRCRAFT SUB-ASSE-												
	PROGRAMS:												
	I 170401 AIRCRAFT I HAINTENANCE I 172304 METAL TRADES, I COMBINED	****		-5						m 60	••••••••••••••••••••••••••••••••••••••		
4	9 CLUSTER: 335						- ! -	- -	- !	- i	- i	- -	
•	OCCUPATIONS:	* * *		- -								· ••	
	185.168.0 AUTO PARTS MANAGER		— 										
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	040300 AUTOMOTIVE 170399 AUTOMOTIVE SERVICES	129	4	•			•		~~~~		2	*	*
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A DESCENDING ORDERING OF PROGRAM CLUSTERS RANKED BY DEMAND MINUS VO-TECH SUPPLY

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20	CLUSTER: 470	**				***	# — — * * * *	# — — # # # # #	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	· · · · · · · · · · · · · · · · · · ·	* — — * * * *	* * * * * * *	* * * * * * *
	GCCUPATIGNS:		_ -								· _ _		* *
	I 195.108.0 SOCIAL WORKER	 -						- - -					**
	PRCCRAMS:	 -											**
	1 172379 PUBLI 0CCUP	** 121		្ត	13	<u>-</u>		12	4	36	121	4	#### 10
15.	CLUSTER: 390	*		 						- 1		-	! *
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18	1 625.281.0 DIESEL MECHANIC	·											* *
0	PRAGRAMS:												# #
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55	CLUSTER: 200							- -	- -		- i	- -	*
	OCCUPATIENS:					 ·							* *
	1 359.878.0 NURSERY SCHOOL ATTENDANT	 * * * *											* * *
•	PRUGAAMS:		,										* *
	1 090201 CARE AND GUID— 1 ANCE OF CHILD— 1 REN	1111	7	101				36	11	35 	o		****
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A DESCENDING ORDERING OF PROGRAM CLUSTERS RANKED BY DEMAND MINUS VO-TECH SUPPLY

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23	CLUSTER: 383	**							 :				* *
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	171099 CONSTRUCTION E	1101	18		14.	———— w	m	21	11	25	N	m	***
54	CLUSTER: 500		-										**
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	1 025.781.1 SMALL ENGINE	 * * #											* * *
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	173100 SYLL GASOLINE ENSIVE REPAIR	1021					9	4	2	57	-15		****
55	CLUSTER: 270	i — ·										- -	*
	OCCUPATIONS:	·											* *
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	OO3.181.1 ELECTRICAL												***
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A DESCENDING ORDERING OF PROGRAM CLUSTERS

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	OCCUPATIONS:	 * * 1								——			
	1 029.281.0 LASORATORY TESTER												
	PROGRAMS:		,				<u> </u>	·					* * 1
	I 160105 CHFMICAL I TECHNOLOGY		•	4	~	u,	 cs	27	16	61	•	 m	-
57	CLUSTER: 455	**				_				-	-	-	
	OCCUPATIONS:	* * :					 -						* *
()	1 373,884.C FIRENAN												* *
187	 PROGRAMS:	 * * :										-	**
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	I 827.281.0 HOUSEHOLD APPLI- ANCE REPAIRMAN												* * *
	PROGRAMS:	 * * :		- →·									**
	I 170201 APPLIANCE I REPAIR	 00 * * * *	4		4	m	~~~~	22		25.	<u>-</u> -	<u>-</u>	****
59	CLUSTER: 480			<u> </u>	1 ·	i —						-	
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- 	526.781.0 BAKGR												* *
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A DESCENDING ORDERING OF PROGRAM CLUSTERS RANKED 8Y DEMAND MINUS VO-TECH SUPPLY

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	1 162.158.0 BUYER (WHOLESALE/	 * * * :				— — ·							* * *
	520.885.0 FERULIIER MINGR	 * * :											* *
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	1 079.378.2 SU3GICAL TECHNICIAN	. * * ;											* * *
·Oʻʻ	PAGGRAMS:	- 				 -							* *
	: 070305 SURGICAL TECHNICIAN	* * * *		 «»	м ————	 n							****
515	CLUSTER: 475	— - * †			:			1 —·			i —·		***
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_	1 195,228.0 RFCREATION LEADER	. * :	•				 ·	 .					* *
-	PROGRAMS:							·		 .			* * •
	172899 PUALIC SERVICE OCCUPATIONS 	* * * *	*	•	 m	~		13 -	•	161	in	m	* # # # N
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A DESCENDING ORDERING OF PROGRAM CLUSTERS RANKED BY DEMAND MINUS VO-TECH SUPPLY

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다 작 원 제	*	*SUPPLY	*	#5	m *	*	بر بر	9	* *	co *#:	o- **	01#	#11
63	 CLUSTER: 395	***	r — — * * * *			**************************************	* * * * * *	* * * * * *	* * * *	**************************************	* * * * * * *	***	**************************************
	OCCUPATIONS:	* * -								· — ·	· — —		***
	I 721.281.0 ELFCTRIC MOTOR REPAIRMAN	 * * *							· -			. — -	* * * *
	I PRIJGRAMS:	* * :											***
	171403 MOTOR REPAIRMAH	* * * *	4	•	m	~~~	*		w	27	~		
99	CLUSTER: 115								- -	- -	- -	- 1 -	
	1 OCCUPATIONS:	 * * ·											**
184	353.878.1 PSYCHIATRIC						'-						***
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_	070304 PSYCHIATRIC AID		24 -					m		16	 -		27 **
593	CLUSTER: 5						<u> </u>	· i –				- ! — !	
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	180.118.0 FIFLDMAN +04.587.C PRIMERPICKER +09.168.C FARM MANAGER +13.181.0 FEEDLOT WORKER +21.883.0 FARM-HAND, GENERAL	*****											***
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	015100 AGRICULTURAL PRODUCTION	 0 ****	29	67	24	-23			73	-21	-35	27	# # # + ort 1
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A DESCENDING ORDERING OF PROGRAM CLUSTERS

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***	"存着的最后是非常有的的,我们的有效的。" 1.		***	**********	**************************************	*********	*****		*****************	******** 		_*****	****
99	CLUSTER: 180	- - -											
	GCCUPATIONS:												
	1 249.388.1 MEDICAL RECORD CLFRK	 * * *											
	I PROGRAMS:	* # :							· — —		,		
	079901 MEDICAL RECORD CLERK	* * * *	.v	9				 	m	· •		<u>"</u>	-4
67	C:USTER: 80	*		-	-		-						1 1 1
	i occupations:	* * ·	 -	-									
	1 079.378.1 DENTAL DFFICE ASSISTANT	* * *											
8 5	PROGRAMS:	* * :				 -,							
	1 070101 DENTAL ASSISTING	***	~		ю	σ	01		~ %	?	 -		w
67	1 CLUSTER: 420					-							
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	518.381.0 CCREMAKER	 * * *		 ·	·								
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_	172301 FOUNDRY 	* * *	22	m		~~			 -	 -			
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	OCCUPATIONS:	* * 1			 -	··· ··· ·	*****						
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A DESCENDING ORDERING OF PROGRAM CLUSTERS

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	012.288.0 INDUSTRIAL ENGI-												
	PROGRAMS:	* 4 :	 .										
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1.5	CLUSTER: 295			-								- ! -	
	1 OCCUPATIONS:				-					~		· —	
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72	CLUSTER: 510					- -	- [-	- -	- -		- i -	- 1 -	* ! *
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·	1 780.331.0 FURNITURE **												* * *
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	1 173500 UPHOLSTERY *	77				19	4	Φ	9		 t		* * *
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A DESCENDING GRDERING OF PROGRAM CLUSTERS RANKED F' DEMAND MINUS VO-TECH SUPPLY

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73	CLUSTER: 450				*	* — — * * * * *	· · · · · · · · · · · · · · · · · · ·	* — — * * * *	* — — * * * * * *	~ 	* * * * *	* * * * *	* * * * *
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	1 160114 METALURGICAL TECHNOLOGY 1 172400 METALURGY	<u></u>		М				13	.v	ω			
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75 1	CLUSTER: 90 **		<u> </u>	-		-	-				· i —		
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	* 078.381.0 MEDICAL LABDRATORY * ASSISTANT									· — — ***			***
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A DESCENDING DRDERING OF PROGRAM CLUSTERS RANKED BY DEMAND MINUS VO-TECH SUPPLY

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A DESCENDING DRDERING OF PROGRAM CLUSTERS

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77	CLUSTER: 415	*	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			1						!	*
	GCCUPATIFNS:	* * *					- -						**
	132.268.0 COPY READER 651.792.0 CYLINDER-PRESS MAN 651.782.1 DFFSET-PRESS MAN	****											
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A DESCENDING ORDERING OF PROGRAM CLUSTERS RANKED BY DEMAND MINUS VO-TECH SUPPLY

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A DESCENDING ORDERING OF PROGRAM CLUSTERS

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A DESCENDING ORDERING OF PROGRAM CLUSTERS

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A DESCENDING ORDERING OF PROGRAM CLUSTERS

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A DESCENDING ORDERING OF PROGRAM CLUSTERS RANKED BY DEMAND MINUS VO-TECH SUPPLY

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A DESCENDING ORDERING OF PROGRAM CLUSTERS RANKED BY DEMAND MINUS VO-TECH SUPPLY

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A DESCENDING ORDERING OF PROGRAM CLUSTERS

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A DESCENDING ORDERING OF PROGRAM CLUSTERS RANKED BY DEMAND MINUS VO-TECH SUPPLY

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A DESCENDING ORDERING OF PROGRAM CLUSTERS

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A DESCENDING ORDERING OF PROGRAM CLUSTERS RANKED BY DEMAND MINUS VO-TECH SUPPLY

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APPENDIX A



Oklahoma State Department of Vocational and Technical Education 1515 W. 6TH Stillwater, Oklahoma 74074 Student Status Report-Due October 1

Division: Voc. Class: School: Date:

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NOTE:

All students, who are not on this printout but are enrolled in your program this year should be recorded on the enrollment form (SAS-1).

As the armed forces is voluntary, consider former students who are now in the armed forces as being employed.

INSTRUCTIONS:

- I. For each student on this report who was in your training program last year end is enrolled in the program again this year:
 - Check to see if the student's sociel security number is correct. If it is not, write the correct social security number in the space (blocks) provided above the printed social security number.
 - Check to see if the student's occupational objective number has changed. If it has, code the correct occupational objective code (see codes on back of sheet) in the space (blocks) provided above the printed occupational objective code.
 - Write the name of the vocational class that the student is attending on the shaded line in the column headed Vocational Class.
- II. For a student on this report who has completed the training program, dropped out, transferred, or whose status is unknown enter the appropriate elphabetic letter listed below, in the column heeded Alphe Letter.
- III. For a student who was not in your progrem
 last year, enter the alphabetic letter "P" in
 the column headed Alpha Letter.

Alphabetic

Lette	
COMPL	
AND IS	_
Ā	Working full timein occupation
1	for which trained
В	Working full timein Releted
1	occupation
lc	Working full timein Unrelated
1	occupation
D	Working part time (does not
1	include those in school full
1	time)
E	Continuing education full time in
1	Releted Vocational - Tech-
1.	nical Field
F	Continuing education full time in
1	Unrelated Vocational
I_	Technical or other field
G	In school in other course work
H	Not employed and Not seeking
'	Not employed but is seeking
DROPP	ED OUT OF THE PROGRAM AND IS
J	Working full timein Field for
1	which trained
K	Working full time not in Field
1	for which trained
L	Not employed full time
М	Remaining in School
NO	TRANSFERRED to another school
О	Unknown of Deceased
P	Was not in training program
a	Comprehensive Home Ec



APPENDIX B



OESC Economic Conditions Data MANPOWER DEMAND INPUTS OTIS PROCEDURAL Oklahoma Employment Security Commission FLOW CHART 1973 Health Manpower Survey Procedure Update Committee Advisory OTIS 1971 Manpower (Comprehensive) Survey Planning, and Evaluation Division of Research, REPORT OTIS State Dept. of Vo Tech Post-Secondary Programs Board of Nurse Registration and Nurse Education Comprehensive Manpower Development MANPOWER SUPPLY INPUTS Planning Staff Employment Security Accrediting Commission Governor's Manpower Oklahoma Agency Tra.ning Student Accounting System And Programs Adult and Diploma RN Programs Baccalaureate Programs Private School Programs Programs MDTA Federal Seekers qof Secondary Programs



Statewide Totals and a Descending Ordering of Program Clusters

Accountant	* 5, 53**	Clerk-Typist	* 26, 53**
Accounting Clerk	25, 53	Community Health Worker	21, 79
Admitting Clerk	26, 53	Cook	44, 55
Agricultural Mechanic	9, 89	Copy Reader	39, 79
Air Conditioning and		Copywriter	10, 83
Refrigeration	32, 88	Coremaker	40, 75
Aircraft Accessories Mechanics	34, 79	Cost Estimator	25, 53
Aircraft & Engine Mechanics	34, 79	Credit Clerk	25, 53
Aircraft-Structure Assembler	41, 69	Cutter (Hand or Machine)	23, 54
Aircraft Sub-Assembly	• -	Cylinder-Press Man	39, 79
Assembler	41, 69	Der, al Hygienist	14, 82
Appliance Repairman	32, 72	Dental Lab Technician	22, 75
Assembler-Metal Products	47, 56	Dental Office Assistant	14, 75
Auto Air Conditioning	33, 88	Deputy Sheriff	43, 65
Auto Body Repairman	33, 88	Dietary Technician	21, 82
Auto Mechanics	33, 88	Die Designer	40, 68
Auto Painter	33, 88	Diesel Mechanics	38, 70
Auto Parts Clerk	33, 67	Digital Computer Operator	31, 59
Auto Parts Manager	33, 67	Dishwasher	45, 57
Baker	44, 72	Draftsman, Architectural	31, 68
Bank Cashier	25, 53	Draftsman, Civil	31, 68
Banking Teller	25, 53	Draftsman, Electrical	31, 68
Bench Grinder	40, 56	Draftsman, Electronics	31, 68
Biomedical Equipment	,	Draftsman, Geological	31, 68
Technician	22, 85	Draftsman, Map	31, 68
Bookkeeper	25, 53	Draftsman, Mechanical	31, 68
Bookkeeping Machines		Dump Truck Driver	47, 52
Operator	25, 53	E.E.G. Technician	18, 85
Boner or Skinner	45, 61	E.K.G. Technician	19, 82
Brake Operator	42, 59	Electric Motor Repairman	38, 74
Brick Layer	36, 61	Electrical Technician	28, 71
Building Inspector	43, 81	Electrician	35, 60
Bus Driver	47, 52	Electromechanical Technician	29, 84
Business Programmer	- · ·	Electronics Assembler	38, 66
Butcher, All Round		Electronics Mechanic	39, 66
Buyer (Wholesaler/Retail)	8, 73	Electronics Technician	28, 71
Cabinet Maker	46, 65	Environmental Health	20, 71
Cable Splicer	35, 60	Technician	18, 86
Carpenter	35, 57	Farm Hand, General	8, 74
Cashier	25, 53	Farm Manager	8, 74
Cement Mason	36, 61	Feed/Fertilizer Mixer	8, 73
Central Supply Worker	20, 78	Feedlot Worker	8, 74
Chef	44, 55	Fieldman	8, 74
Civil Engineer Technician	28, 69	Fireman	43, 72
Claim Adjuster	13, 61	Flaine Cutter, Hand	43, 72 44, 58
Claims Clerk (Insurance)	25, 53	Flame Cutter, Hand Flame Cutter Machine	44, 50
Claims Examiner	25, 53 25, 53	Operator	42, 58
Old III S CAUTITIO	20, 00	Operator	44, 50

^{*}Statewide Totals
**Descending Ordering of Program Clusters



m					
Floral Design	,, * 9,		Nuclear Medical Technician		87**
Food Service Supervisor		55	Nurse Aide	16,	
Forklift Operator		52	Nursery School Attendant	23,	
Furniture Finisher		65	Occupational Therapist Aide	17,	
Furniture Upholsterer		76	Offset-Press Man	39,	
General Office Clerk	•	53	Painter or Paper Hanger	35,	
Greenhouse Man		60	Payroll Clerk	25,	
Grinder Mill Operator (Mining)		62	Personnel Clerk	27,	
Groundskeeper	•	60	Pharmacy Assistant	. 23,	
Heat Treater		77	Photographer or Cameraman	34,	
Heavy Equipment Operator		62	Physical Therapist Aide	20,	
Hostess	•	55	Plater (Electro Plating)	42,	
Hotel Clerk		64	Plumber	36,	67
Housekeeper	•	58	Policeman	43,	
Illustrator-Commercial Artist		83	Post Office Clerk	26,	59
Industrial Technician		76	Power Plant Operator	46,	
Inhalation Therapy Technician		86	Precision Grinder	40,	56
Instrument Man	29,		Production Machine Tool		
Insurance Salesman	13,		Operator	40,	56
Janitor	37,		Program Coder	31,	59
Jet Engine Mechanic	34,		Pruner-Picker	8,	79
Laboratory Tester	28,		Psychiatric Aide	16,	
Laundry Personnel	39,		Public Relations	10,	77
Layout Man (Machine Shop)	40,	56	Pumpman (Petroleum Refining)	30,	
Layout Man (Printing &			Purchasing Agent	13,	87
Publications)	34,		Quality Control Technician	30,	67
Layout Man (Structural)	37,	64	Radio & TV Repairman	39,	81
Licensed Practical Nursing			Radio Mechanic	39,	
(L.P.N.)	16,		Radiologic Technician	18,	
Lineman	35,		Real Estate Appraiser	13,	
Livestock Caretaker		66	Recreation Leader	44,	73
Loan Closer	26,		Registered Nurse (Bacc., Dipl.,		
Machinist, All-Round	40,		Assoc.)	15,	
Mail Carrier	36,		Sales Clerk	11,	
Maintenance Man, Building	35,		Sales Occupations (Goods)	11,	
Maintenance Man, Equipment	47,	60	Salesman-Driver (Routeman)	11,	
Maintenance Mechanics			Seamstress or Tailor	23,	
Millwright	37,		Secretary	27,	
Management Trainee	14,		Service Salesman	10,	
Material Handler	47,		Service Station Attendant	11,	
Meat Cutter	45,		Sewing Machine Operator	23,	
Medical Emergency Technician	20,		Shear Press Operator	40,	
Medical Lab Assistant	15,		Sheet Metal Worker	41,	
Medical Office Assistant	79,		Small Engine Repair	45,	
Medical Records Clerk	21,		Social Worker	44,	
Medical Records Librarian	15,		Special_Agent	13,	
Metal Fabricator	41,		Spray Painter	35,	
Mill Man	46,		Statement Clerk	25,	
Mill Operator		89	Stationary Engineer	46,	
New Accounts Clerk	25,	53	Stenographer	27,	54

^{*}Statewide Totals
**Descending Ordering or Program Clusters



Stillman (Petroleum Refining)	*30, 76**
Structural Steel Worker	37, 64
Surgical Technician	17, 73
Surveyor	28, 69
Teacher Aide	24, 65
Technical Publications Writer	32, 81
Telephone Installer	35, 60
Telephone Operator	26, 62
Title Clerk	27, 87
Tool & Die Maker	40, 56
Tool Machine Set-up Operator	40, 56
Tractor Trailer Truck Driver	47, 52
Traffic Manager	47, 52
Transit Clerk	25, 53
Truck Driver (Heavy)	47, 52
Truck Driver (Light)	47, 52
Underwriter	13, 61
Waitress or Waiter	12, 55
Ward Clerk	21, 67
Welder, Arc	42, 58
Welder, Combination	42, 58
Welding Machine Operator	42, 58
Yardman	9, 66



^{*}Statewide Totals
**Descending Ordering or Program Clusters